



Faculty of Agriculture University of Ruhuna

2018/2019
Student Handbook

UNIVERSITY FLAG



UNIVERSITY ANTHEM

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Faculty of Agriculture
UNIVERSITY OF RUHUNA

Student Handbook

2018/2019

Designed by S.A. Fernando

Student Handbook 2018/2019

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THE UNIVERSITY, VISION

To be the prime
intellectual thrust of
the nation

MISSION

To advance
knowledge and skills
through teaching,
research and services
to serve the society.

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1. University of Ruhuna

1.1 Introduction

University of Ruhuna was established on 1st September 1978, as Ruhuna University College by a Special Presidential Decree. Currently, University of Ruhuna constitutes with ten faculties, namely Agriculture, Engineering, Fisheries and Marine Sciences & Technology, Humanities and Social Sciences, Management & Finance, Medicine, Science, Technology, Allied Health Sciences and Graduate Studies.

Faculties of Humanities and Social Sciences, Fisheries and Marine Sciences & Technology, Management & Finance, Science and Graduate Studies are located at the main University premises at Wallamadama (Matara). Faculties of Agriculture, Engineering and Medicine, Allied Health Sciences & Faculty of Technology are located in Mapalana (Kamburupitiya), Hapugala (Galle), Karapitiya (Galle) and Karagoda-Uyangoda (Kamburupitiya) respectively. The central administration unit of the University is also located at the Wallamadama University complex.

The University offers Bachelor, Master and PhD degrees in their respective disciplines. In addition, Diploma and Certificate courses are conducted in various disciplines.

At the first recruitment of the University of Ruhuna for the Bachelors' degree programmes in 1978, a total of 272 students were enrolled and in the year 2017 it has been increased to 8366 students, across nine faculties (Table 1.1), recording its fast growth during the past four decades.

1.2 Location of the University

University of Ruhuna main campus is located 4 Km away from Matara along the Colombo Hambantota (A2) main road. Matara (Sinhala: මහා මාතලේ Tamil: மாத்லே) (originally Mahathota) is a city on the southern coast of Sri Lanka, 160 km from Colombo. Matara historically belongs to the area called Ruhuna, one of the three kingdoms in Sri Lanka. First Indians who arrived to the island country according to the Mahawansa settled in the area, along the banks of Nilwala River.

Traveling from Colombo to Matara can be made either by train or buses. There are only a limited number of trains but buses are available every half an hour through the normal route or expressway. The journey through normal route takes about four hours from Colombo while one and half hours through expressway. Matara is the last railway station where the railway lines end and the last exit of the expressway in the South.

Table 1.1 Distribution of students among the nine faculties (as at 31.12.2017).

Name of the Faculty	No. of Students
Agriculture	659
Engineering	894
Fisheries and Marine Sciences & Technology	212
Humanities and Social Sciences	2092
Management and Finance	1591
Medicine	1004
Science	1026
Allied Health Sciences	768
Technology	120
Total student population of the University	8366

1.3 Officers of the University

Chancellor- Venerable Rajakeeya Panditha
Pallaththara Sumanajothi Nayaka Thero

Vice Chancellor

Snr Prof Sujeewa Amarasena
MBBS, MD, DCH (Col), DCH (Sydney)

Deputy Vice Chancellor

Dr. AMN Alagiyawanna, BSc Eng (Moratuwa),
MEng (AIT, Thailand), Deng (Nagaoka, Japan)

Registrar

Ms PS Kalugama
BA (J'pura), MA (London), MBA (Ruhuna)

Dean, Faculty of Agriculture

Prof Sudas D Waniniarachchi
BSc Agric (Ruhuna), MSc, PhD (Guelph, Canada)

Dean, Faculty of Engineering

Dr HP Sooriyaarachchi
BSc Eng, (Hons), MEng (Tokyo), PhD (Sheffield),
MIE(SL), MSSE(SL)

Dean, Faculty of Fisheries and Marine Sciences & Technology

Dr (Ms) HB Asanthi
BSc (Ruhuna), PhD (Montpellier, France)

Dean, Faculty of Graduate Studies

Senior Prof (Ms) MV Weerasooriya
MBBS (Peradeniya), DrMedSci (Kyushu, Japan)

Dean, Faculty of Humanities and Social Sciences

Dr Upali Pannilage
BA, MPhil, PhD (Ruhuna), PG Dip (Colombo)

Dean, Faculty of Management and Finance

Dr TSLW Gunawardana
PhD (Bodo, Norway), MSc (Agder, Norway), BBA
(Ruhuna)

Dean, Faculty of Medicine

Prof SKCWimalasundara
MBBS (Peradeniya), DO (Colombo), PhD (Ruhuna)

Dean, Faculty of Science

Prof PA Jayantha
BSc (Kelaniya), MSc (J'Pura), PhD (QUT, Australia)

Dean, Faculty of Technology

Senior Prof WGD Dharmarathna
BSc (Peradeniya), MSc, PhD (Tufts, USA)

Librarian

Mr Ananda Karunarathna
BDevStudies (Colombo), Dip Lib & Info
Science (Kelaniya), MSSc (Kelaniya)

Bursar

Mr AMA Siriwardhana
BSc (J'pura), ICASL (Inter Mediate)

1.4 Contact Information of the University**Postal Addresses**

Main administration block of the University is located in Wellamadama. Also, Faculty of Fisheries & Marine Sciences & Technology, Faculty of Humanities & Social Sciences, Faculty of Management & Finance, Faculty of Science, Faculty of Graduate Studies are located in the Wellamadama.

University of Ruhuna,
Wellamadama, Matara 81000,
Sri Lanka

Addresses of the other five campuses:

Faculty of Agriculture,
University of Ruhuna,
Mapalana, Kamburupitiya 81100,
Sri Lanka.

Faculty of Engineering,
University of Ruhuna,
Hapugala, Galle 80000,
Sri Lanka.

Faculty of Medicine,
University of Ruhuna,
Karapitiya, Galle 80000,
Sri Lanka.

Faculty of Technology,
University of Ruhuna,
Karagoda-Uyangoda, Kamburupitiya 81100,
Sri Lanka.

Faculty of Allied Health Sciences,
University of Ruhuna,
Godakanda, Galle 80000,
Sri Lanka.

Telephone and Fax Numbers of the University

Wellamadama Complex
+94(0)41222681-2, +94(0)412227001-4
+94(0)41222683 (Fax)

Faculty of Agriculture
+94(0)41229220, +94(0)412292384 (Fax)

Faculty of Engineering

+94(0)912245765, +94(0)912245762 (Fax)

Faculty of Fisheries and Marine Sciences & Technology

+94(0)412227026, +94(0)412227026 (Fax)

Faculty of Humanities and Social Sciences

+94(0)412227010, +94(0)412227010 (Fax)

Faculty of Management & Finance

+94(0)412227015, +94(0)412227015 (Fax)

Faculty of Medicine

+94(0)912234730, +94(0)912222314 (Fax)

Faculty of Science

+94(0)412222701, +94(0)412222701 (Fax)

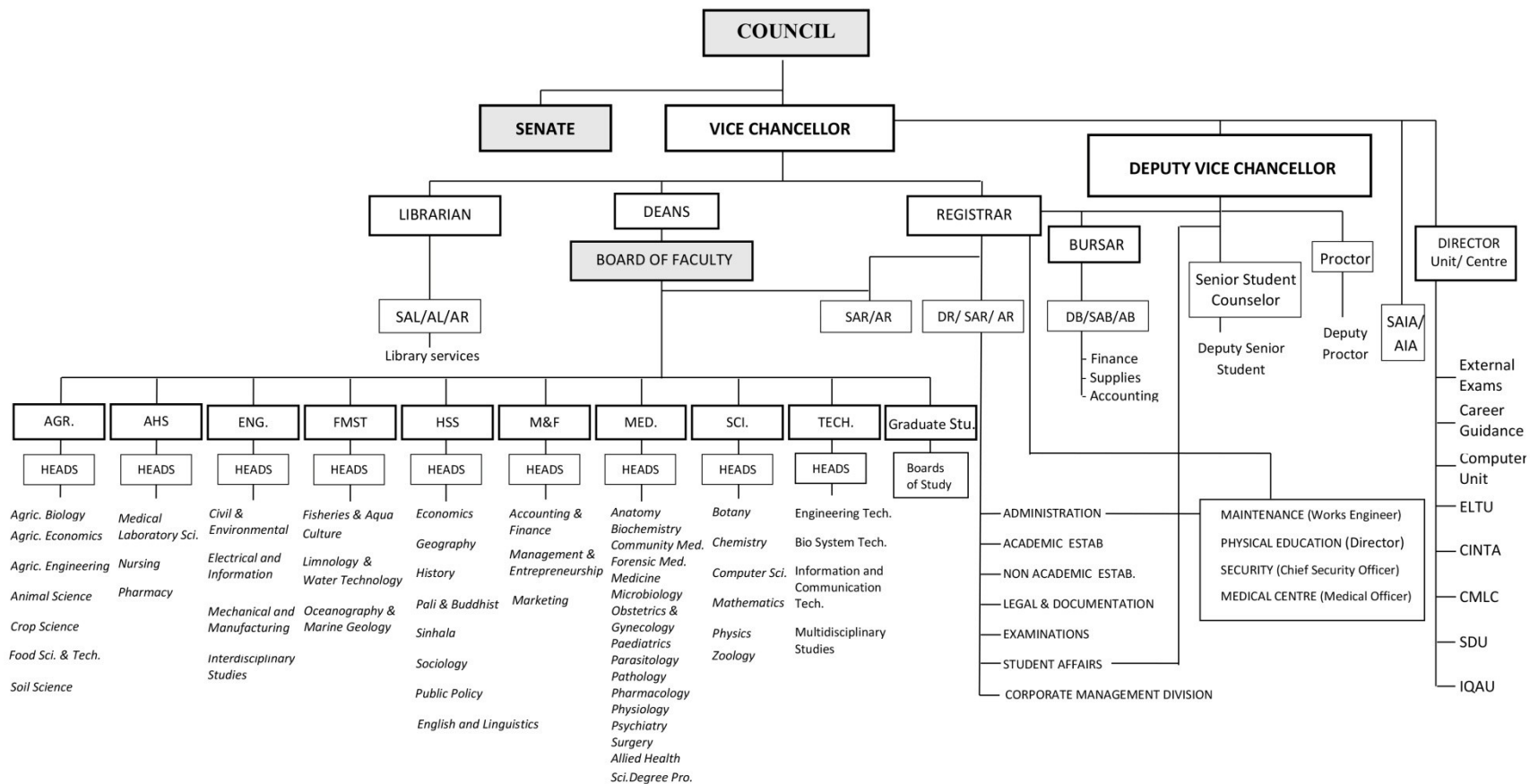
Electronic Mail/Web

The university can be reached by electronic mail from anywhere in the world. The mail domain is ruh.ac.lk. The e-mail addresses of the academic staff and other offices are available in the University Web site: <http://www.ruh.ac.lk>

Internal Telephone Numbers

Vice Chancellor	2000
Office	2101
Deputy Vice Chancellor	2001
Office	2137
Registrar	2110
Office	2109
Dean, Faculty of Fisheries and Marine Sciences & Technology	5101
Assistant Registrar	5102
Dean, Faculty of Science	4101
Assistant Registrar	4102
Dean, Faculty of Humanities and Social Sciences	3101
Assistant Registrar	3102
Dean, Faculty of Management & Finance	3901
Assistant Registrar	3902
Dean, Faculty of Graduate Studies	2147
Senior Assistant Registrar	2160
Librarian	2210
Bursar	2150
Senior Assistant Bursar (Finance)	2108
Assistant Bursar (Finance)	2103
Senior Assistant Bursar (Supplies)	2115
Deputy Registrar (General Administration)	2120
Deputy Registrar (Examinations)	2130
Senior Assistant Registrar (Student Affairs)	2135
Senior Assistant Registrar (Academic Establishment)	2144
Senior Assistant Registrar (Non-Academic Establishment)	2140
Works Engineer	2145
Director, Physical Education	2223
Director, Internal Quality Assurance Unit	2153
Medical Officer	2121
Career Guidance Unit	2132
Chief Security Officer	2126
Office	2127



ORGANISATIONAL STRUCTURE OF THE UNIVERSITY

2. Faculty of Agriculture

2.1 Introduction

The Faculty of Agriculture, one of the pioneering faculties of the University of Ruhuna, is located at Mapalana, 16 km from Matara, and 2 km from Kamburupitiya along Matara-Kamburupitiya main road. The Faculty premises of 50 ha includes several academic and administration buildings which house lecture theaters, laboratories, the library, student residences, student recreational facilities, canteen, auditorium etc. supporting academic and research programmes. The Faculty farm is also located within its premises, integrating farm activities with teaching, research and outreach programmes.

The Faculty of Agriculture strives to contribute to the national development through the propagation of new knowledge and producing skilled, efficient and marketable graduates. Resources of the Faculty are concentrated to offer 3 undergraduate degree programmes viz. BSc Agricultural Resource Management and Technology, BSc Agribusiness Management and BScGreen Technology all being 4-year career oriented degrees. At present, the Faculty has seven academic Departments of study, namely Departments of Agricultural Biology, Agricultural Economics, Agricultural Engineering, Animal Science, Crop Science, Food Science and Technology and Soil Science. All three degree programmes fall into the SLQF level 6 and the courses are conducted in the English medium. The Faculty admits 250 students annually and the Faculty identified itself as the leading center for agricultural research, extension and teaching in the southern Sri Lanka

The staff strength of the Faculty was increased progressively since the inception and now the Faculty has 73 permanent and approximately 15 temporary academic staff members including 7 Senior Professors and 12 Professors. In addition, a number of scientists/academics with international reputes serve the faculty as Adjunct Professors/Visiting Professors with the objective of enhancing the academic climate and research culture of the Faculty. In addition, the Faculty has made every endeavor to obtain the services of outstanding agricultural scientists, administrators, policy makers, planners, etc. in the country with a

view to supplementing and enriching the academic programme.

While fostering national education, the Faculty is becoming increasingly committed to community and regional development. The Faculty is strongly committed towards southern area development and fostering the University-Industry linkages. As examples for a public-private partnership, the MoUs signed between University of Ruhuna and Dialog Axiata PLC and International Foodstuff Company (IFCO) can be highlighted. To strengthen these activities, an Industrial Placement Office (IPO) was established in 2005 and an Industrial Placement Officer was recruited to meet the needs of the graduates in carrier guidance, internships, job seeking, university-industry linkages etc. To this end, many academics of the Faculty are serving as consultants and resource persons in a number of national and international institutions and agencies.

The Grade Point Average (GPA), an internationally recognized calculation system used to find the average results of all grades achieved throughout the courses is practiced since 2006 in the Faculty. In this system, students are given a choice to select elective courses from a vast array of subject combinations and preferences. Also, students have more opportunities to get involved in extracurricular activities, learning of languages, skill development and carrier guidance activities. The third year second semester of the BSc Agricultural Resource Management and Technology degree programme consists of practical farm training conducted at the Faculty Farm. The students get the opportunity to visit public and private sector farms, research centers and other institutions during the course of study. In addition, the students are given training in plantation crops conducted at nearby estates. A Farm Mechanization Training Course is conducted at the Faculty to equip students with comprehensive knowledge in farm machineries. Each student, during the final year of the degree programme, will have to follow compulsory courses in Applied Statistics, Technical Writing and Presentation Skills, and Selected optional courses in addition to the courses offered in the

specialization field of study selected by the student. For the specialization course, the students have to follow advanced course modules offered by the particular department and conduct a research project of six-month duration subsequently submitting a dissertation. It is compulsory for all the students to undergo Industrial Training Course before commencing their research projects in the final year of study.

The Faculty also offers six MSc degree programmes through the Faculty of Graduate Studies, University of Ruhuna to meet the contemporary needs of the graduates in the region in addition to offering MPhil and PhD degrees by research. Equipment and laboratory facilities for teaching and research at both undergraduate and post-graduate levels are available in each Department of Study to carry out both fundamental and applied research. Presently, 7 post-graduate courses are offered by the Faculty, *ie.* MSc Agricultural Economics and Resource Management, MSc Agri-Business Management, MSc Animal Science, MSc Food Science & Technology, MSc Green Technology, MSc Crop Production Technology and MSc Crop Protection which is jointly offered with Faculty of Science.

The staff of the Faculty has excelled in research as well, and have been successful in securing many competitive and prestigious research grants from agencies such as PSTC of USAID, BOSTID of National Academy of Sciences in USA, World Bank, CIDA, IDRC, IAEA, GTZ Germany and NORAD to name a few. The Faculty regularly conducts several training programmes in collaboration with various Institutions such as National Institute of Education, HARTI, UNDP, Matara Chamber of Commerce, Hambanthota Chamber of Commerce, District Secretariat, Matara, Southern Development Authority, Ministry of Indigenous Medicine, Department of Irrigation and Sri Lanka Center for Development Facilitation (SLCDF), EDB, IFCO *etc.* In addition to all achievements, many academics of the Faculty have received International and National prestigious research and invention awards.

The Faculty has embarked upon publishing an International Journal titled "Tropical Agricultural Research and Extension". An unprecedented

interest has been shown by researchers working in the tropics to publish in this journal.

In the year 2008, the Faculty initiated an annual event to hold a National Symposium enabling students, academics, and researchers of the Faculty and outside agencies and organizations to present their research findings on topical themes relevant to Agriculture. This has become an international event since 2010 and the Faculty hosted this International Symposium in Agriculture & Environment (ISAE) for the 8th consecutive time in February 2019. In keeping with the broad objective of the Faculty to develop as an entity of international standing, the Faculty has already developed link programmes with several national and international institutes and Universities such as link programmes with Lund University of Sweden, University of Tokyo, Ibaraki University of Japan, Ryukyus University of Japan, Kobe University of Japan and Karlsruhe Waterworks, Germany to name a few. The Faculty has already developed collaborative research activities and student/staff exchange programmes with these international institutions where a number of academics and students have been benefitted.

The students have the opportunity to improve their talents in sports, arts and in many other areas by participating in various extra-curricular activities organized by the University as well as through student societies. In addition to free higher education, financial assistance through several scholarship schemes is also available. The hostel facilities are also subsidized, providing equal opportunities for students to pursue higher education.

This handbook has been prepared with the objective of providing information pertaining to teaching, research and development activities of the Faculty of Agriculture. It also provides basic guidelines to the students of the Faculty for their career development.

2.2 The Mission

The Mission of the Faculty of Agriculture is to develop human resources and technology to cater to contemporary and future needs of the agricultural sector, to advance and disseminate knowledge and to provide advice and guidance in

the field of Agriculture, for sustainable economic development.

2.3 Administrative Staff

Dean

Prof Sudas D Wanniarachchi
BSc Agric (Ruhuna), MSc, PhD (Guelph, Canada)

Deputy Registrar

Mrs SKK Mudalige
BScAgric (Ruhuna), MSc (Peradeniya), Proficiency
Certificate in HRM (Massey, New Zealand), MBA
(Ruhuna)

Assistant Bursar

Ms HR Pushpika Hewarathna
BBMgt (Kelaniya), Diploma in Accountancy
(SLIATTE)

Scientific Assistant

Mrs HLC Himanda
BSc Agric (Ruhuna)

3. The Degree Structure and Management

3.1 Admission Requirements and Registration

All applicants for admission to the BSc Agricultural Resource Management & Technology, BSc Agribusiness Management and BSc Green Technology degree programme in the Faculty of Agriculture, University of Ruhuna must satisfy the general university admission requirements for Faculties of Agriculture as laid down by the University Grants Commission of Sri Lanka. Students admitted to the Faculty shall register as full-time students and pay any fees as prescribed by the university.

Admission of foreign students

Foreign students are accepted for the degree programme under the guidelines decided by the University Grants Commission.

3.2 Structure of the Academic Programmes

Semester System

The academic programmes leading to the degrees of BSc Agricultural Resource Management & Technology, BSc Agribusiness Management and BSc Green Technology shall be a fulltime course organized on a two-semester system, over a period of four academic years. Thus, the degree programmes shall consist of 8 semesters. Each course will be taught and evaluated within the semester and end semester examinations which will be held at the end of each semester. The semester (except fourth year first and second semesters) consists of 15 weeks of academic work. Courses will be evaluated under a credit scheme. The fourth year second semester comprises the courses and a research programme extending to a maximum of six month duration. One credit unit is equivalent to 15 hours of lectures, or 30 hours of practical classes or 45 hours of field works or 90 hours of industrial training or 90 hours of research work including the literature survey or an equivalent combination of theory, practical, fieldwork, seminars and assignments approved by the Faculty Board.

Course Notations

Course notation consists of two letters at the beginning representing the relevant department as follows,

AS	Department of Animal Science
BL	Department of Agricultural Biology
CS	Department of Crop Science
EC	Department of Agricultural Economics
EN	Department of Agricultural Engineering
FS	Department of Food Science and Technology
SS	Department of Soil Science
CC	Common Courses
ID	Inter-Departmental Courses

The four-digit number represents the year, semester and the course number for the semester of the department.

First numeral = Year

Second numeral = Semester (1 or 2)

Third and fourth = Course number of the semester of the department

Eg: CS 2103 (Crop Science, Second Year, First Semester, Third Course offered by the department in the third semester (Second year first semester))

Elective Courses

Apart from compulsory courses, elective courses are offered only in some semesters. The minimum number of elective credits a student shall follow to qualify for award of the degree is 6 for BSc Agricultural Resource Management & Technology degree. The minimum credit requirement of the elective courses is 18 and 8 for BSc Agribusiness Management and BSc Green Technology degrees, respectively. However, students can follow more elective courses subject to the maximum limits of the course credits per semester as specified in the examination by-laws of the degree programme.

Elective courses offered in each semester will be announced at the beginning of the semester. To offer an elective course, a minimum of five students should be registered for the course. Students can select elective courses within first two weeks of the semester. Elective courses can be changed (deleted or added) within the first four weeks of the semester with the permission of the respective coordinators of the course.

Compulsory Non-credit Courses

Students should follow the compulsory non-credit courses and credits of these courses will not be counted for the numbers of required credits.

Final Year Specialization Programme (4200)**

Students can apply for the field of specialization at the end of third year second (3-2) semester based on their performance and preference. Only those students who have OGPA of more than 2.7 by the end of third year first (3-1) semester will be given the specialization field at the end of the third year second semester (3-2) based on their preference. Other students will be allocated by the Faculty Board among the departments based on the students' performances, their preference and resources available in the departments for the specialization programme. In the fourth year first semester (4-1), students should study specialization modules of the respective department, all the compulsory common courses and elective courses as directed by the respective Heads of the department subject to the maximum credit limits per semester.

The length of the fourth year first semester (4-1) has been reduced to 12 weeks in order to facilitate the Department to send students for the Industrial Training.

In the fourth year second semester (4-2), students should undertake a research/training project as directed by the supervisor and the respective Head of the department. After completion of the project, the student shall submit a letter from the project supervisor indicating that the project report is ready to be evaluated at the examination along with a completed draft project report to the Head of the department of study at least a week before the final examination. Such candidate shall have a minimum of 45% marks obtained for the conduct of project report and preparation of the project report prior to appearing for the examination. Failure to fulfill above requirements shall disqualify a candidate from sitting for the examination.

In the event of project supervisor being not available to evaluate the project report, the Head of the department or a person designated by supervisor and/or Head of the department shall evaluate the project report.

Industrial Training

All the students registered for BSc Agricultural Resource Management & Technology and BSc Agribusiness Management will be sent to selected outside public or private institutions for a 6-week Industrial Training immediately before commencement of the fourth year second semester (final year research project). This component will contribute two credits to the total credit requirement of the degree. In the case of BSc Green Technology, the period for Industrial training is 3 months and it contributes six credits to the total credit requirement of the degree. The Departments may opt to combine the industrial training and the research project and send the students to outside institutions if the case permits.

3.3 BSc Agricultural Resource Management & Technology (ARMT)

Graduate Profile

A graduate in BSc Agricultural Resource Management and Technology should be professionals of art and science of crop and livestock production, technology and management with the developed attitudes and ethics to integrate biological and physical resources in environmentally friendly, socially acceptable and economically feasible manner for the production of food, feed, fiber, renewable energy and other agricultural products for the betterment of mankind emphasizing the local, regional, national and international needs.

A graduate in BSc Agricultural Resource Management and Technology should be able to deal with all the aspects of the Agricultural production systems commencing from land exploitation up to the formulation of finite products (farm to fork), research, manage and communicate, with a good understanding and skill development to mix indigenous knowledge with new technologies. Further, a BSc Agricultural Resource Management and Technology graduate should be armed with the sound theoretical and practical knowledge in Agriculture as well as other essential skills to achieve the followings.

- Identifying and analyzing issues related to Agriculture.
- Finding acceptable solutions
- Engaging in the areas of research, management, academia and entrepreneurship
- Making agriculture as a commercial venture
- An effective team leader/player with required skills in information technology and communication

Course Structure for the BSc Agricultural Resource Management & Technology

The minimum number of total credits required for the degree is 128. Table 3.1 shows the credit allocations for each Department of Study. The credit allocation for different semesters of the degree of BSc Agricultural Resource Management & Technology is shown in table 3.2. Table 3.3 shows the all courses offered in the degree of BSc Agricultural Resource Management & Technology

Table 3.1: The credit allocations for each Department of Study

Departments and components	Compulsory course credits
Crop Science	18
Animal Science	17
Agric Biology	16
Agric Engineering	15
Agric Economics	15
Soil Science	8
Food Science & Technology	8
Common courses	11
Elective credits (minimum)	6
Specialization credits	6
Industrial Training	2
Research project	6
Total minimum credits required for the degree	128

Table 3.2: Credit allocation for semesters

Year	Semester	Required Numbers of Credits		Total
		Compulsory	Elective	
1	I	16		16
	II	17		17
2	I	17		17
	II	19		19
3	I	17	2 or more	19
	II	17		17
4	I	13	2 or more	17
	II	6		6
		122	6	128

Table 3.3 Courses offered in the degree of BSc Agricultural Resource Management & Technology

Year and Semester	Courses offered	Credits and Teaching hours
1-I	Compulsory courses	
	AS 1101 Anatomy and Physiology of Farm Animals	(2:15T+30P)
	BL 1101 Agricultural Botany and Weed Science	(2:15T+30P)
	CC 1101 Basic Mathematics and Statistics	(2:30T+00P)
	CS 1101 Principles of Agronomy	(3:30T+30P)
	EC 1101 Micro Economics	(2:30T+00P)
	EN 1101 Farm Power and Mechanization	(2:15T+45F)
	FS 1101 Introductory Biochemistry and Food Chemistry	(3:30T+30P)
	Compulsory non-credit courses	
	CC 1102 Computer Awareness	(0:15T+30P)
1-II	Compulsory courses	
	AS 1201 Forage Crop Production	(2:30T+00P)
	BL 1201 Fundamentals of Plant Physiology	(2:15T+30P)
	BL 1202 Entomology	(2:15T+30P)
	CC 1201 Information and Communication Technology in Agriculture	(2:15T+30P)
	CS 1201 Agroecology and Sustainable Agriculture	(2:15T+30P)
	EC 1201 Macro Economics	(2:30T+00P)
	EN 1201 Agro-meteorology and Applied Hydrology	(2:15T+45F)
	SS 1201 Introductory Soil Science	(3:30T+30P)
2-I	Compulsory courses	
	AS 2101 Genetics and Animal Breeding	(2:30T+00P)
	BL 2101 Fundamentals of Genetics and Plant Breeding	(2:30T+00P)
	BL 2102 Introductory Plant Pathology	(2:30T+00P)
	CC 2101 Applied Statistics I	(2:30T+00P)
	CS 2101 Forest Management	(2:15T+30P)
	EC 2101 Agricultural Development and Policy	(2:30T+00P)
	EN 2101 Postharvest Technology	(2:15T+45F)
	SS 2101 Soil Plant Relations and Nutrient Management	(3:30T+30P)
	Compulsory non-credit courses	
	EN 2102 Engineering Drawing	(0:00T+30P)
2-II	Compulsory courses	
	AS 2201 Animal Nutrition and Feeding	(3:30T+30P)
	AS 2202 Non-Ruminant Management	(2:30T+00P)
	BL 2201 Introductory Molecular Biology and Biotechnology	(2:30T+00P)
	CS 2201 Fruit Crop Management	(2:15T+30P)
	EC 2201 Agribusiness Management	(3:30T+30P)
	EN 2201 Machinery Systems Engineering	(2:15T+45F)
	EN 2202 Applied Green Technologies in Agriculture	(2:15T+45F)
	FS 2201 Food and Nutrition	(3:30T+30P)

3-I

Compulsory courses

AS 3101 Animal Diseases and Hygiene	(2:15T+30P)
BL 3101 Pest and Disease Management	(2:15T+30P)
CS 3101 Export Agricultural Crop Management	(2:15T+30P)
CS 3102 Plantation Crop Management	(2:15T+30P)
EC 3101 Principles of Communication and Knowledge Dissemination	(2:30T+00P)
EN 3101 Irrigation and Water Resource Engineering	(3:30T+30P)
FS 3101 Food Preservation and Processing Technology	(2:15T+30P)
SS 3101 Land Resource Management	(2:30T+00P)

Compulsory non-credit courses

CS 3103 Training on Plantation Crops (2weeks)	(0:00T+45F)
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Elective courses

AS 3102 Animal Products for Consumers	(2:30T+00P)
BL 3102 Plant Protection Practicum	(2:00T+60P)
CC 3101 Database Management Systems	(2:15T+30P)
CS 3104 Nursery Management	(2:15T+30P)
EN 3102 Ergonomics	(2:30T+00P)
FS 3102 Fermentation Technology	(2:30T+00P)
SS 3102 Land Suitability Evaluation	(2:30T+00P)

3-II

Compulsory courses

AS 3201 Ruminant Management	(2:15T+30P)
AS 3202 Practical Livestock Production	(2: 00T+90F)
BL 3201 Crop Protection and Improvement	(2:00T+60P)
CS 3201 Production Technology of Field Crops and Vegetables	(3:00T+135F)
CS 3202 Floriculture	(1:00T+45F)
CS 3203 Protected Agriculture	(1:00T+45F)
EC 3201 Social Science Research Methods	(2:30T+45F)
EC 3202 Agricultural Extension	(2:15T+30P)
EN 3201 Field Practices in Agricultural Engineering	(2:00T+90F)

Compulsory non-credit courses

EN 3202 Training in Agricultural Machinery	(0:00T+45F)
EN 3203 Surveying and Leveling	(0:00T+60P)

4-I

Common compulsory credits

CC 4101 Applied Statistics II	(3:30T+30P)
CC 4102 Technical Writing and Presentation Skills	(2:15T+30P)
CC 4107 Industrial Training	2 (6 Weeks)

Specialization credits

AS 4101 Advances in Animal Production	(3:30T+30P)
AS 4102 Aquaculture	(1:15T+00P)
AS 4103 Animal Behavior and Welfare	(1:15T+00P)

AS 4104 Wildlife Management	(1:15T+00P)
BL 4101 Applications of Genetics, Molecular Biology and Plant Physiology	(3:30T+30P)
BL 4102 Applications of Pest and Disease Management	(2:15T+30P)
BL 4103 Advances in Plant Improvement*	(1:15T+00P)
BL 4104 Advances in Plant Protection*	(1:15T+00P)
CS 4101 Aquatic Crop Management	(2:15T+30P)
CS 4102 Management of Medicinal Plants	(1:08T+15P)
CS 4103 Cropping Systems	(1:08T+15P)
CS 4104 Crop Experimentation	(2:15T+30P)
CS 4105 Floriculture and Landscape Gardening Training	(0: 00T+60P)
EC 4101 Human Resource Development	(2:30T+00P)
EC 4102 Natural Resource Management	(2:30T+00P)
EC 4103 Agricultural Marketing	(2:30T+00P)
EN 4101 Advanced Climatology and Reservoir Hydrology	(2:15T+45F)
EN 4102 Advanced Machinery and Processing Engineering	(4:30T+90F)
EN 4103 Computer Aided Drawing and Computer Programming	(0:00T+60P)
EN 4104 GIS and Remote Sensing	(0:15T+30P)
FS 4101 Food Microbiology and Safety	(2:30T+00P)
FS 4102 Food Chemistry and Analysis	(2:30T+00P)
FS 4103 Food Process Engineering	(1:15T+00P)
FS 4104 Human Nutrition	(1:15T+00P)
SS 4101 Soil Physics	(2:15T+30P)
SS 4102 Soil Chemistry	(2:30T+00P)
SS 4103 Soil Biology and Biochemistry	(1:30T+00P)
SS 4104 Techniques in Soil Research	(1:30T+00P)

Elective courses

AS 4105 Animal Waste Management	(2:30T+00P)
AS 4106 Care and Management of Companion Animals	(2:30T+00P)
AS 4107 Livestock Economics and Legislations	(2:30T+00P)
BL 4105 Indigenous Knowledge Systems in Agriculture	(2:30T+00P)
CC 4103 Rapid Application Development	(2:15T+30P)
CC 4104 Bioethics	(2:30T+00P)
CC 4105 Career Guidance and Development	(2:15T+30P)
CC 4106 Non-parametric Statistical Methods	(2:30T+00P)
CS 4106 Landscape Gardening	(2:15T+30P)
CS 4107 Plant Tissue Culture	(2:15T+30P)

	EC 4104 Project Management	(2:30T+00P)
	EC 4105 Fisheries Economics & Management	(2:30T+00P)
	EN 4105 Precision Agricultural. Technology	(2:30T+00P)
	EN 4106 Electronics and Instrumentation in Agriculture	(2:30T+00P)
4-II	FS 4105 Cereal Chemistry and Bakery Product Technology	(2:30T+00P)
	FS 4106 Sanitation and Food Quality Control	(1:15T+00P)
	SS 4105 Land use and Environmental Quality	(2:30T+00P)
	SS 4106 Soil Fertility Management	(2:30T+00P)
	**4200 Research Project	(6:24 Weeks)

******Represents the letters of specialized Department (Ex: AS, BL, etc). T and P represent the theory hours of teaching and practical hours, respectively. * Either BL 4103 or BL 4104 should be followed by the students who are specializing in Agricultural Biology.

3.4 BSc Agribusiness Management

Graduate Profile

This is the first such undergraduate programme offered by a Sri Lankan university which commenced in 2012 blending agricultural knowledge with business management, entrepreneurial and marketing tools. The aim of the degree programme is to provide an opportunity for students to acquire knowledge and skills of basic agricultural concepts, production of agricultural commodities, entrepreneurial abilities and business management tools. This degree programme is a four-year degree programme consisting of a research component in the final year. Many of the courses are synchronized with other two parallel degree programmes. A graduate in BSc Agribusiness Management will be a professional of art and science of crop and livestock production, technology and management with the developed attitudes and ethics to integrate biological and physical resources in environmentally friendly, socially acceptable and economically feasible manner for the production of food, feed, fiber, renewable energy and other agricultural products for the betterment of mankind emphasizing the local, regional, national and international needs.

A graduate in BSc Agribusiness Management should be able to deal with all the aspects of the agricultural production systems commencing from land exploitation up to the formulation of finite products, research in production systems, agribusiness in production systems and related industries, and commercialization of traditional and conventional agricultural systems. The BSc Agribusiness Management graduates, after their four year career as an undergraduate, will be competent with theoretical knowledge, skills and attitudes in the fields of agriculture, entrepreneurship and business management and other essentials as an entrepreneur and a researcher.

Course Structure for the BSc Agribusiness Management

The programme has been designed parallel to the other degree programmes of the Faculty of Agriculture, University of Ruhuna. During the first two years, the majority of the courses are synchronized with other degree programmes. Students will be specialized in the field of Agribusiness Management during second half of the degree programme.

Table 3.4 gives the credit allocation of the degree programme for each semester. In the first year, the students follow the courses which are offered in other degree programmes (*) except two new courses. In the second year first semester and the second semesters, two and three new courses are offered respectively in each semester with the courses offered in the other degree programmes.

From the third year first semester, students can select elective courses from the other degree programmes in addition to compulsory courses to fulfill the minimum credit requirement. From the third year first semester, number of compulsory courses will be reduced to give freedom to select elective courses from other disciplines. However, students will be directed by the Academic Counselors in selecting elective courses. Names of the courses with the respective credit numbers and time allocations are given in Table 3.5

Table 3.4 Credit allocation for semesters

Year	Semester	Required Numbers of Credits		Total
		Compulsory	Elective	
1	I	16		16
	II	15		15
2	I	16		16
	II	16		16
3	I	10	6	16
	II	11	6	17
4	I	13	6	19
	II	6		06
		103	18	121

Table 3.5 Courses offered in the degree of BSc Agribusiness Management

Year and Semester	Courses offered	Credits and Teaching hours
1-I	Compulsory courses	
	BL 1101 Introductory Crop Botany and Weed Science	(2:15T+30P)*
	CC 1101 Basic Mathematics and Statistics	(2:30T+00P)*
	CS 1101 Principles of Agronomy	(3:30T+30P)*
	EC 1101 Micro Economics	(2:30T+00P)*
	EC 1102 Agriculture and Sri Lankan Economy	(2:30T+00P)
	EN 1101 Farm Power & Mechanization	(2:15T+45F)*
	FS 1101 Introductory Biochemistry and Food Chemistry	(3:30T+30P)*
	Compulsory non-credit courses	
	CC 1102 Computer Awareness	(0:15T+30P)*
	CC 1103 English	(0:30T+00P)
1-II	Compulsory courses	
	AS 1201 Forage Crop Production	(2:30T+00P)*
	BL 1201 Fundamentals of Plant Physiology	(2:15T+30P)*
	CC 1201 Information and Communication Technology in Agriculture	(2:15T+30P)*
	CC 1202 Applied Statistics-II	(2:30T+00P)
	EC 1201 Macro Economics	(2:30T+00P)*
	EC 1202 Principles of Business Management	(2:30T+00P)
	SS 1201 Introductory Soil Science	(3:30T+30P)*
	Compulsory non-credit courses	
	CC 1203 English	(0:30T+00P)
2-I	Compulsory courses	
	BL 2101 Fundamentals of Genetics and Plant Breeding	(2:30T+00P)*
	EC 2101 Agricultural Development and Policy	(2:30T+00P)*
	EC 2102 Principles of Resource Management	(2:30T+00P)
	EC 2103 Agricultural Finance	(2:30T+00P)
	EC 2104 Consumer Behavior	(2:30T+00P)
	EN 2101 Post Harvest Technology	(2:15T+45F)*
	SS 2101 Soil Plant Relations and Nutrient management	(3:30T+30P)*
	Compulsory non-credit courses	
	CC 2103 English	(0:30T+00P)
2-II	Compulsory courses	
	AS 2201 Animal Nutrition and Feeding	(3:30T+30P)*
	BL 2201 Introductory Molecular Biology and Biotechnology	(2:30T+00P)*
	CS 2201 Fruit Crop Management	(2:15T+30P)*
	EC 2201 Agribusiness Management	(3:30T+30P)*
	EC 2202 Economic Statistics	(2:30T+00P)
	EC 2203 Book Keeping and Accountancy	(3:30T+30P)
	FS 2201 Food and Nutrition	(3:30T+30P)*
	Compulsory non-credit courses	
	CC 2201 English	(0:30T+00P)
3-I	Compulsory courses	
	EC 3101 Principles of Communication and Knowledge Dissemination	(2:30T+00P)**

	EC 3102 Project Management	(2:30T+00P)
	EC 3103 Marketing Management	(2:30T+00P)
	EC 3104 International Trade	(2:30T+00P)
	EC 3105 Entrepreneurship	(2:30T+00P)
	Elective courses	
	AS 3101 Animal Diseases and Hygiene	(2:15T+30P)*
	BL 3101 Pest and Disease Management	(2:15T+30P)*
	CS 3101 Export Agricultural Crop Management	(2:15T+30P)*
	CS 3102 Plantation Crop Management	(2:15T+30P)*
	FS 3101 Food Preservation and Processing Technology	(2:15T+30P)*
	SS 3101 Land Resource Management	(2:30T+00P)*
3-II	Compulsory courses	
	EC 3201 Social Science Research Methods	(2:15T+45F)*
	EC 3202 Agricultural Extension	(2:15T+30P)*
	EC 3204 Environmental Impact Assessment and Valuation Techniques	(2:30T+00P)
	EC 3205 Food Policy and Legislations	(2:30T+00P)
	EC 3206 Organizational Management	(2:30T+00P)
	Elective courses	
	AS 3201 Ruminant Management	(2:15T+30P)*
	AS 3202 Practical Livestock Production	(2:00T+90F)*
	CC 3203 Career Development	(1:00T+45F)*
	CS 3202 Floriculture	
	CS 3203 Protected Agriculture	(1:00T+45F)*
	EN 3202 Training in Agricultural Machinery	(0:00T+45F)*
4-I	Compulsory courses	
	CC 4101 Applied Statistics - II	(3:30T+30P)*
	CC 4102 Technical Writing, and Presentation Skills and Seminar	(2:15T+30P)*
	EC 4101 Human Resource Development	(2:30T+00P)*
	EC 4103 Agricultural Marketing	(2:30T+00P)*
	EC 4106 Participatory Rural Appraisal	(2:15T+45F)
	CC 4107 Industrial Training	(2:6 Weeks)
	Elective courses	
	CC 4105 Career Guidance and Development	(2:15T+30P)*
	CC 4106 Non-parametric Statistics	(2:30T+00P)*
	CS 4106 Landscape Gardening	(2:15T+30P)*
	CS 4107 Plant Tissue Culture	(2:15T+30P)*
	EC 4102 Natural Resource Management	(2:30T+00P)*
	FS 4105 Cereal Chemistry and Bakery Product Technology	(2:30T+00P)*
	FS 4106 Sanitation and Food Quality Control	(1:15T+00P)*
4-II	**4200 Research Project	(6: 24 Weeks)

*Courses offered in other BSc programmes as compulsory courses or elective courses

3.5 BSc Green Technology

Introduction

The Faculty has decided to offer several parallel bachelor degree programmes with a view to expanding student intake of the Faculty as well as providing the opportunity for the student to study in various disciplines according to their wish and country demand while utilizing the human resources in the Faculty efficiently. The BSc Green Technology degree programme was basically formulated to produce graduates who can contribute to the national development using modern technologies while minimizing the environmental degradation occurred due to the development activities.

With the development, the natural resources are being heavily utilized, reduced and polluted creating numeric problems for all living beings in the world. Therefore, for the sake of all living being, it is essential to utilize natural resources for the betterment of the human needs and development by minimizing the environmental burdens associated with them. Officers in government, non-government and private organizations working in the development projects, especially in rural areas where more priorities have been identified for the future development, should arm with the knowledge and technology, which can be used for the sustainable development through production and services by minimizing the environmental burdens. At present, officers of the government, private and non-government organization who work in development projects is not much concerned about the environment which is vital for the sustainable development. This degree programme produces graduates who are capable of working in development projects including service based organizations that considers the environmental aspects also. The course will cover environment management, renewable energy production, energy efficiency, and crop production for bio-based products, sustainable land use, waste management and recycling, traditional/indigenous technology, production technologies for bio-products, environmental improvement, and efficient management of water and quality management.

A graduate in BSc Green Technology should be a professional for rural development, small-scale renewable power generation, sustainable production of crops for energy, raw materials for industry, and infra-structure development with the integration of sustainable concepts in a multidisciplinary approach to the environmentally sensitive production with resource optimization by maintaining environmental quality standards.

Objectives

The objective of this degree programme is to produce BSc graduates combining technical and scientific skills with an understanding of the environment, renewable energy management, waste utilization, resource management and land based industries who can contribute to the national and global development.

General Course Description

The course covers environment management, renewable energy production, energy efficiency, and crop production for bio-based products, sustainable land use, waste management and recycling, traditional/indigenous technology, production technologies for bio-products, environmental improvement, and efficient management of water and quality management.

Graduate Profile

A graduate in BSc Green Technology should be a professional for rural development, small-scale renewable power generation, sustainable production of crops for energy, raw materials for industry, and infra-structure development with the integration of sustainable concepts in a multidisciplinary approach to the environmentally sensitive production with resource optimization by maintaining environmental quality standards.

Job profile

Based on the outcome of the seminars, discussions and workshops conducted and participated, it was identified that there is a great opportunity for BSc Green Technology graduates to be employed in government, non-government and private organizations as consultants, development officers, managers, environmental officers, technical officers, extension officers, and similar positions in wide variety of fields.

Course Structure for the BSc Green Technology**Major thematic areas of the degree course****Sustainable Resource Management (SRM)**

- Natural Resources of Sri Lanka
- Efficient Use of Natural Resources
- Conservation Principles
- Environmental Pollution
- Environmental Sociology
- Laws and Regulations with respect to Natural Resources and Pollution Prevention
- Human Resources Management

Sustainable Environmental Design (SED)

- Land Use Planning
- Environmental Tools
- Environmental Economics
- Wildlife and Biodiversity
- Project Planning
- Climate Change
- Carbon Crediting

Sustainable Environmental Technology (SET)

- Wastewater Management
- Solid Waste Management
- Emission Control
- Cleaner Production
- Product Processing
- Quality Management
- Indigenous Technology

Sustainable Energy (SE)

- Energy and Development
- Renewable Energy Sources
- Energy Analysis and Management

Credit allocation for different years and semesters are shown in table 3.6. Total numbers of credits required for the BSc Green Technology is 124. Names of the courses with the respective credit numbers and time allocations are given in table 3.7.

Table 3.6 Credit allocation for semesters

Year	Semester	Required Numbers of Credits		Total
		Compulsory	Elective	
1	I	18		18
	II	16		16
2	I	16	2	18
	II	16	2	18
3	I	16	2	18
	II	16	2	18
4	I	06		06
		06*		06
	II	06**		08
		116	8	124

*Industrial Training, ** Research Project

Table 3.7 Courses offered in the degree of BSc Green Technology

Year and Semester	Courses offered	Credits and Teaching hours
1-I	Compulsory courses	
	CC 1101 Basic Mathematics and Statistics	(2:30T+00P)
	CC 1104 Information and Communication Technology	(2:15T+30P)
	CS 1101 Principles of Agronomy	(3:30T+30P)
	EC 1103 Economic Principles	(2:30T+00P)
	EN 1102 Applied Hydrology and Climatology	(3:30T+30P)
	ID 1101 Environment and Pollution	(2:15T+30P)
	ID 1102 Atmospheric Pollution and Prevention	(2:15T+30P)
	ID 1103 Natural Resources of Sri Lanka	(2:15T+30P)
1-II	Compulsory courses	
	CC 1204 Basic Statistics	(2:30T+00P)
	BL 1203 Environmental Biotechnology	(2:15T+30P)
	BL 1204 Biodiversity Conservation	(2:15T+30P)
	EN 1202 Virtual Water and Water Foot Print	(2:15T+30P)
	EN 1203 Renewable Energy I	(2:15T+30P)
	EN 1204 Climate Change and Carbon Balancing	(3:15T+60P)
	SS 1201 Introductory Soil Science	(3:30T+30P)
2-I	Compulsory courses	
	EC 2105 Environmental Economics	(3:45T+00P)
	EN 2103 Machinery Principles and power units	(2:15T+30P)
	EN 2104 Renewable Energy II	(3:30T+30P)
	EN 2105 Biomass Energy Technology	(2:15T+30P)
	EN 2106 Energy Analysis and Budgeting	(2:15T+30P)
	ID 2101 Introductory Green Chemistry	(2:15T+30P)
	ID 2102 Basic concepts of Quality and Productivity	(2:15T+30P)
	Elective courses	
	BL 2103 Introductory Plant Protection	(2:15T+30P)
	CC 2102 Database Management Systems	(2:15T+30P)
	CS 2102 Urban Agriculture	(2:15T+30P)
	ID 2103 Electronics and Instrumentation	(2:15T+30P)
	ID 2104 Spiritual Development	(2:00T+60P)
	Compulsory courses	
	AS 2203 Sustainable Livestock Production Systems	(2:15T+30P)
2-II	CS 2202 Sustainable Crop Production Technology	(3:30T+30P)
	EN 2203 Water Resource Management	(2:15T+30P)
	EN 2204 Biogas Technology	(2:15T+30P)
	EN 2205 Sustainable Solid Waste Management	(2:15T+30P)
	EN 2206 Ergonomics	(2:15T+30P)
	ID 2201 Green Buildings Designing	(3:30T+30P)
	Elective courses	
	EN 2207 Phytoremediation	(2:15T+30P)
	EN 2208 Precision Agricultural Technology	(2:15T+30P)
	EN 2209 Water Quality and Purification	(2:15T+30P)
	ID 2202 Cleaner Production	(2:15T+30P)

3-I	Compulsory courses	
	CS 3105 Landscape Architecture	(2:15T+30P)
	CS 3106 Forest Ecology	(2:15T+30P)
	EC 3106 Business Management and Entrepreneurship	(2:30T+00P)
	EC 3107 Eco-tourism	(2:15T+30P)
	EN 3103 GIS and RS	(2:15T+30P)
	EN 3104 Post Harvest Technology	(2:15T+30P)
	FS 3103 Organic Food Production and Preservation	(2:15T+30P)
	ID 3101 Waste Water Treatment	(2:15T+30P)
	Elective courses	
	CC 3102 Rapid Application Development	(2:15T+30P)
	EC 3108 Human Resources Management	(2:30T+00P)
	EN 3105 Integrated Water Resource Management	(2:15T+30P)
	SS 3101 Land Resource Management	(2:15T+30P)
3-II	Compulsory courses	
	CC 3201 Applied Statistics	(2:30T+00P)
	CC 3202 Research Methodology and Scientific Writing	(2:30T+00P)
	CC 3203 Carrier Development	(2:15T+30P)
	EC 3203 Project Planning and Management	(2:30T+00P)
	ID 3201 Quality Management Tools and Problem Solving	(2:15T+30P)
	ID 3202 Life Cycle Assessment	(2:15T+30P)
	ID 3203 Indigenous Knowledge Systems	(2:30T+00P)
	ID 3204 Green Productivity	(2:15T+30P)
	Elective courses	
	EN 3204 Ecological Sanitation	(2:15T+30P)
	EN 3205 Composting Technology	(2:15T+30P)
	ID 3205 Building Wiring and Air Condition	(2:15T+30P)
	ID 3206 Environmental Evaluation	(2:15T+30P)
4-I	Compulsory courses	
	EN 4107 Non Destructive Measurements	(2:15T+30P)
	ID 4101 Disasters and Green Solutions	(2:15T+30P)
	ID 4102 Innovation and Technology Transfer	(2:15T+30P)
	CC 4108 Industrial Training	(6:12 Weeks)
4-II	**4200 Research Project	(6: 24 Weeks)

4. Department of Agricultural Biology

4.1 Introduction

Department of Agricultural Biology offers courses for enrichment of an undergraduate of Faculty of Agriculture with the intensive basic knowledge on biology of crops and, pests and diseases in terms of crop botany, physiology, genetics, molecular biology, entomology, pathology and microbiology and, applied knowledge on crop improvement, management of crop genetic resources and biodiversity, biotechnology and management of pests and diseases. The practical classes, field visits and demonstrations are offered in order to provide the practical skills in techniques and attitudes for Agricultural Biology. Students are trained for research methodologies, statistical analysis, communication skills, critical thinking, report writing, presenting in a scientific forum and manuscript writing during six-month-research project in the Department.

There are eleven permanent staff members, with the support of three temporary demonstrators and two technical officers, one lab attendant and one labourer. There are laboratory and greenhouse facilities for biological research. The Department offers WG Don Kirigoris Appuhamy Memorial Gold Medal at the annual general convocation annually to the graduate of Agricultural Biology specialization course for the Degree of Bachelor of the Science of Agricultural Resource Management & Technology with the highest Grade Point Average and a first class.

The Department offers MPhil and PhD degrees in the allied fields of Agricultural Biology stream through national and international research grants. Most of the Mphil and PhD students are co-supervised by international experts. There are several collaborative research programmes with foreign universities. Department of Agricultural Biology works in collaboration with local universities, research stations, southern provincial council and several private organizations as well

for research and extension activities such as awareness programmes for pest and disease management, bio safety, traditional rice and mushroom production to farmers, school teachers and agricultural instructors.

4.2 Academic Staff

Head of the Department

Prof (Ms) WADPR Rathnasekara

Emeritus Professors

Prof RHS Rajapakse

BSc Agric (Sri Lanka), MSc Agric (Sri Lanka), PhD (Florida, USA) (Entomology and Integrated Pest Management)

Senior Professors

Snr Prof SGJN Senanayake

BSc Agric (Peradeniya), PhD (Copenhagen) (Genetics and Plant Breeding)

Professors

Prof KL Wasantha Kumara

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (Bangalore, India) (Plant Pathology)

Prof (Ms) WADPR Ratnasekera

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (Beijing, China) (Plant Physiology, Molecular Biology and Biochemistry)

Associate Professors

Assoc Prof (Ms) AL Ranawake

BSc Agric (Ruhuna), MSc, PhD (Kobe, Japan) (Molecular Biology and Biotechnology)

Assoc Prof (Ms) Nilanthi Dahanayake

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (China) (Developmental of Physiology of Plant and Molecular Biology)

Senior Lecturers

Dr (Ms) Sudarshanee Geekiyange

BSc Agric (Peradeniya), MSc (Peradeniya), PhD (Japan) (Applied Plant Molecular Biology)

Dr (Ms) NP Ranathunge

BSc Agric (Peradeniya), MSc (Peradeniya), PhD (Melbourne, Australia) (Molecular Plant Pathology)

Dr (Ms) A Mannakkara

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (HZAU, China) (Entomology and Integrated Pest Management)

Lecturers**Ms A Liyanage**

BSc Agric (Ruhuna), MSc (Melbourne, Australia), (Environmental Biology and Biodiversity), reading for PhD in QUT Australia

Dr (Ms)Dananjali Mekhala Gamage

BSc Agric (Ruhuna), PhD (USQ Australia)(Molecular Biology and Bioinformatics)

Mr PCD Perera

BSc Agric (Ruhuna), MPhil (Ruhuna)

Ms WWUI Wickramaarachchi

BSc Agric Res Mgt & Tec (Ruhuna)

4.3 Courses offered by the Dept. of Agric Biology

Course notation	Course Name	Status			Credits	Teaching hours		
		ARMT	ABM	GT		T	P	F
BL1101	Agricultural Botany and Weed Science	C	C		2	15	30	
BL1201	Fundamentals of Plant Physiology	C	C		2	15	30	
BL1202	Entomology	C			2	15	30	
BL1203	Environmental Biotechnology			C	2	15	30	
BL1204	Biodiversity Conservation			C	2	15	30	
BL2101	Fundamentals of Genetics and Plant Breeding	C	C		2	30		
BL2102	Introductory Plant Pathology	C			2	30		
BL2103	Introductory Plant Protection			E	2	15	30	
BL2201	Introductory Molecular Biology and Biotechnology	C	C		2	30		
BL3101	Pest and Disease Management	C	E		2	15	30	
BL3102	Plant Protection Practicum	C			2		60	
BL3201	Crop Protection and Improvement	C			2		60	
BL4101	Applications of Genetics, Molecular Biology and Plant Physiology	C			3	30	30	
BL4102	Applications of Pest and Disease Management	C			2	15	30	
BL4103	Advances in Plant Improvement	C/E			1	15		
BL4104	Advances in Plant Protection	C/E			1	15		
BL4105	Indigenous Knowledge Systems in Agriculture	E			2	30		

(Abbreviations used: ARMT-BSc Agricultural Resource Management and Technology, ABM- BSc Agribusiness Management, GT-BSc Green Technology, C-Compulsory course, E-Elective course, T-Theory hours, P-Practical hours, F-Field works)

5. Department of Agricultural Economics

5.1 Introduction

To understand different systems of agriculture, one has to be knowledgeable about the different components of these systems; crops and animals, technology used, and the human factor. While the students gather knowledge on the former two aspects in other Departments, the Department of Agricultural Economics is mainly concerned about the last, the human factor, especially entrepreneurship and management.

The Department of Agricultural Economics is one of the pioneering Departments, which were established at the beginning of the Faculty of Agriculture in 1978. At present, the Department of Agricultural Economics offers several courses for the undergraduate degree programmes of BSc ARMT, BSc ABM and BSc GT.

As the Department identified increasing demand of expertise manpower in the fields of agricultural economics and resource management, the Department established MSc Programmes in Agricultural Economics and Resource Management (MSc AgERM), Agribusiness Management (MABM) and Agricultural Economics and Development (MAED) from the year 2006 in addition to conventional MPhil and PhD degree programmes. In addition to the undergraduate and post graduate programme, the Department offers certificate and diploma course in Scientific Tea Manufacturing and Quality Management for the Tea sector in collaboration with the Sri Lanka Tea Board, Tea Small Holding Development Authority and Tea Research Institute. The Department conducts several collaborative research and development programmes to cater to the demand for community development and new knowledge through several national and international organizational and government institutions.

Economic theories, Agricultural Economics, Agricultural Extension, Natural Resource Management, Environmental Economics, Organizational Management, Human Resource Management, Agribusiness Management, Econometrics and Statistics, Fisheries Economics, Agricultural Marketing, Forest Management, and

Entrepreneurship are some of the research fields available in the Department.

5.2 Academic Staff

Head of the Department

Prof LM Abeywickrama

Emeritus Professors

Prof WMMP Wijeratne

BSc Agric (SL), LLB (OUSL), MScAgric Econ (Ghent), PhD (Wageningen) (AgricEcon & Extension Science)

Senior Professors

Snr Prof Mangala De Zoysa

BSc Agric (Peradeniya), MSc (Wageningen), PhD (Tokyo, Japan) (Agriculture and Forest Policy)

Professors

Prof LM Abeywickrama

BSc Agric (Ruhuna), MSc (Peradeniya) (Resource Management), PhD (PAU, India) (Agric Economics)

Prof AL Sandika

BSc Agric (Ruhuna), MSc (Dharwad, India)

Senior Lecturers

Dr (Ms) WN De Silva

BSc Agric (Ruhuna), MSc (Peradeniya) (Agric. Economics & Environmental Economics), PhD (UOA, India) (Environmental Policy)

Dr (Ms) GC Samaraweera

BSc Agric (Ruhuna), MSc (IGAU, India) (Agric Economics), PhD (HZAU, China)

Ms DN Koralegama

BSc Agric (Ruhuna), MSc (Vietnam), Reading for PhD in Amsterdam, Netherlands

Dr (Ms) MADP Wickramaratne

BSc Agric (Ruhuna), MBA (Colombo), PhD (Tokyo, Japan)

Lecturers

Ms KNN De Silva

BSc Agric (Ruhuna), MSc (Ruhuna), MSc (Humboldt, Germany), Reading for PhD in Hannover (Germany)

Ms WCSM Abeysekara

BSc Agric Res Mgt & Tec (Ruhuna), Reading for PhD in New England (Australia)

Mr. PVS Harshana

BSc Agri Busin Mgt (Ruhuna), Adv. National Dip. In
Human Resource Mgt. (NIBM), Dip. In Counseling
(Kelaniya)

5.3 Courses offered by the Dept. of Agric Economics

Course notation	Course Name	Status			Credits	Teaching hours		
		ARMT	ABM	GT		T	P	F
EC 1101	Micro Economics	C	C		2	30		
EC 1102	Agriculture and Sri Lankan Economy		C		2	30		
EC 1103	Economic Principles			C	2	30		
EC 1201	Macro Economics	C	C		2	30		
EC 1202	Principles of Business Management		C		2	30		
CC1203	English		C		0	30		
CC1204	Basic Statistics			C	2	30		
EC 2101	Agricultural Development and Policy		C		2	30		
EC 2102	Principles of Resource Management		C		2	30		
EC 2103	Agricultural Finance		C		2	30		
EC 2104	Consumer Behavior		C		2	30		
EC 2105	Environmental Economics			C	3	45		
CC2103	English		C		0	30		
EC 2201	Agribusiness Management	C	C		3	30	30	
EC 2202	Economic Statistics		C		2	30		
EC 2203	Book Keeping and Accountancy		C		3	30	30	
CC2201	English		C		0	30		
EC 3101	Principles of Communication and Knowledge Dissemination	C	C		2	30		
EC 3102	Project Management		C		2	30		
EC 3103	Marketing Management		C		2	30		
EC 3104	International Trade		C		2	30		
EC 3105	Entrepreneurship		C		2	30		
EC 3106	Business Management and Entrepreneurship			C	2	30		
EC 3107	Eco-tourism			C	2	15	30	
EC 3108	Human Resources Management			E	2	30		
EC 3201	Social Science Research Methods	C	C		2	15		45
EC 3202	Agricultural Extension	C	C		2	15	30	
EC 3203	Project Planning and Management			C	2	30		
EC 3204	Environmental Impact Assessment and Valuation Techniques		C		2	30		
EC 3205	Food Policy and Legislations		C		2	30		
EC 3206	Organizational Management		C		2	30		
EC 4101	Natural Resource Development	C	C		2	30		
EC 4102	Natural Resource Management	C	E		2	30		
EC 4103	Agricultural Marketing	C	C		2	30		
EC 4104	Project Management	E			2	30		
EC4105	Fisheries Economics and Management	E			2	30		
EC4106	Participatory Rural Appraisal		C		2	15		45
CC4106	Non-parametric Statistical Methods	E	E		2	30		

(Abbreviations used: ARMT-BSc Agricultural Resource Management and Technology, ABM- BSc Agribusiness Management, GT-BSc Green Technology, C-Compulsory course, E-Elective course, T-Theory hours, P-Practical hours, F-Field works)

6. Department of Agricultural Engineering

6.1 Introduction

The department of Agricultural Engineering is working with the vision for providing sustainable engineering solutions to the prevailing demands in agricultural production and processing systems in both local and global context. The mission is executed by applying emerging engineering technologies in teaching, researches and extension services for effective utilisation of natural resources in agricultural production and processing systems while curbing the negative impacts of human involvements into the environment.

During first five semesters of the BSc ARMT degree programme, undergraduates will study the course modules on major areas in Agricultural Engineering including agricultural machinery, soil and water engineering, postharvest technology, environmental engineering, precision agriculture, etc. in the sixth semester; undergraduates are facilitated to get hands on experiences on the above engineering themes. Undergraduates who opt to specialize in Agricultural Engineering can follow the advanced course modules in Agricultural Engineering during the seventh semester followed by industrial training. Thereafter, they have to carry out research projects under the supervision of senior academics of the Faculty.

In 2012, department took a bold step to introduce the BSc Green Technology degree programme. The courses are related to major thematic areas of sustainable resource management, sustainable environmental design, sustainable environmental technology and sustainable energy are offered in first six semesters of this degree programme. The fourth year first semester is for the industrial training and other advanced courses such as disasters and green solutions, innovation and technology transfer, etc. Fourth year second semester is allocated for the research study where students will be able to get the on-hand

experience in interested research areas in the Faculty of Agriculture or outside institutions.

The Department has further advanced the service for postgraduate students with MSc, MPhil, and PhD degree programs. The engineering workshop of the department has a unique record in southern for designing, testing and commercializing of agricultural machineries for the needs of the nation. Department has a well-equipped meteorological station with automated equipment for teaching and research activities.

The department conducts community awareness programmes for school teachers, students with updated knowledge. Farmer training in agriculture machinery and micro irrigation methods are also among the other community services.

The Department has widened its capacity through several international collaborations for research and student exchange programs. The Department has annual exchange program for students with University of Kobe Japan, University of Bogor Indonesia and University of Naresuan Thailand. The exchange program with the University of Ryukyus is under research collaboration including four credit course offered by the department for MSc postgraduates of the Ryukyus for the course module of Tropical agriculture.

6.2 Academic Staff

Head of the Department

Dr BM Jinendra Siriwijaya

Emeritus Professors

Prof KDN Weerasinghe

Eng Agron MSc, PhD (Moscow) (Soil and Water Engineering)

Professors

Prof PLAG Alwis

BSc Agric (Ruhuna), MSc, PhD (Montpelier, France) (Farm Machinery)

Prof (Ms) CM Navaratne

BSc Agric (Ruhuna), MSc Computing (UK), PhD (Ruhuna) (Agricultural Engineering)

Prof GY Jayasinghe

BSc Agric (Ruhuna), MSc (Kelaniya) (Microbiology), MSc (Ryukyus, Japan), PhD (Kagoshima, Japan) (Environmental Technology)

Prof. S Wijetunga

BSc Agric (Ruhuna), MPhil (Southern Yangtze, China) (Environmental Engineering)

Senior Lecturers**Ms CP Rupasinghe**

BSc Agric (Ruhuna), MSc (AIT, Thailand) (Agric Engineering), Reading for PhD (Moratuwa)

Dr BM Jinendra Siriwijaya

BSc Agric (Ruhuna), MSc (Kobe, Japan), PhD (Kobe, Japan)

Lecturers**Ms MGG Awanthi**

BSc Agric (Ruhuna), Reading for MPhil (J'pura)

Mr KMTS Bandara

BSc Agric (Ruhuna), Reading for MPhil (Ruhuna)

Mr WBMAC Bandara

BSc Agric (Ruhuna), Reading for PhD (Ryukyus, Japan)

Mr PP Ruwanpathirana

BSc Agric (Ruhuna), Reading for MPhil (Ruhuna)

6.3 Courses offered by the Dept. of Agric Engineering

Course notation	Course Name	Status			Credits	Teaching hours		
		ARMT	ABM	GT		T	P	F
EN1101	Farm Power and Mechanization	C	C		2	15		45
EN1101	Applied Hydrology and Climatology			C	3	30	30	
ID 1101	Environment and Pollution			C	2	15	30	
ID 1102	Atmospheric Pollution and Prevention			C	2	15	30	
ID 1103	Natural Resources of Sri Lanka			C	2	15	30	
EN 1201	Agro-Meteorology and Applied Hydrology	C			2	15		45
EN 1202	Virtual Water and Water Foot Print			C	2	15	30	
EN 1203	Renewable Energy I			C	2	15	30	
EN 1204	Climate Change and Carbon Balancing			C	3	15	60	
EN 2101	Post-harvest Technology	C	C		2	15		45
EN2102	Engineering Drawing	C			0		30	
EN 2103	Machinery Principles and Power Units			C	2	15	30	
EN 2104	Renewable Energy II			C	3	30	30	
EN 2105	Biomass Energy Technology			C	2	15	30	
EN 2106	Energy Analysis and Budgeting			C	2	15	30	
ID 2101	Introductory Green Chemistry			C	2	15	30	
ID 2102	Basic Concepts of Quality and Productivity			C	2	15	30	
ID 2103	Electronics and Instrumentation			E	2	15	30	
ID2104	Spiritual Development			E	2		60	
EN2201	Machinery Systems Engineering	C			2	15		45
EN 2202	Applied Green Technologies in Agriculture	C			2	15		45
EN 2203	Water Resource Management			C	2	15	30	
EN 2204	Biogas Technology			C	2	15	30	
EN 2205	Sustainable Solid Waste Management			C	2	15	30	
EN 2206	Ergonomics			C	2	15	30	
EN 2207	Phytoremediation			E	2	15	30	
EN 2208	Precision Agricultural Technology			E	2	15	30	
EN 2209	Water Quality and Purification			E	2	15	30	
ID 2201	Green Buildings Designing			C	3	30	30	
ID 2202	Cleaner Production			E	2	15	30	
EN 3101	Irrigation and Water Resource Engineering	C			3	30	30	

EN3102	Ergonomics	E			2		30	
EN 3103	GIS and RS			C	2	15	30	
EN 3104	Post Harvest Technology			C	2	15	30	
EN 3105	Integrated Water Resource Management			E	2	15	30	
ID 3101	Wastewater Treatment			C	2	15	30	
EN 3201	Field Practices in Agricultural Engineering	C			2			90
EN 3202	Training in Agricultural Machinery	C	E		0			45
EN 3203	Surveying and Leveling	C			0		60	
EN 3204	Ecological Sanitation			E	2	15	30	
EN 3205	Composting Technology			E	2	15	30	
ID 3201	Quality Management Tools and Problem Solving			C	2	15	30	
ID 3202	Life Cycle Assessment			C	2	15	30	
ID 3203	Indigenous Knowledge Systems			C	2	30		
ID 3204	Green Productivity			C	2	15	30	
ID 3205	Building Wiring and Air Condition			E	2	15	30	
ID 3206	Environmental Evaluation			E	2	15	30	
EN 4101	Advanced Climatology and Reservoir Hydrology	C			2	15		45
EN 4102	Advanced Machinery and Processing Engineering	C			4	30		90
EN 4103	Computer Aided Drawing and Computer Programming	C			0		60	
EN 4104	GIS and Remote Sensing	C			0	15	30	
EN 4105	Precision Agricultural Technology	E			2	30		
EN 4106	Electronics and Instrumentation in Agriculture	E			2	30		
EN 4107	Non Destructive Measurements			C	2	15	30	
ID 4101	Disasters and Green Solutions			C	2	15	30	
ID 4102	Innovation and Technology Transfer			C	2	15	30	

(Abbreviations used: ARMT-BSc Agricultural Resource Management and Technology, ABM- BSc Agribusiness Management, GT-BSc Green Technology, C-Compulsory course, E-Elective course, T-Theory hours, P-Practical hours, F-Field works)

7. Department of Animal Science

7.1 Introduction

Department of Animal Science is one of the oldest Departments in the Faculty and offers courses in all eight semesters of the BSc Agricultural Resource Management & Technology degree programme. A selected number of courses are offered for the Agribusiness Management and Green Technology degree programs too. The course structure of the subject of encompasses a wide range of disciplines related to Animal Science. The first five semesters focus mainly on theoretical aspects of various disciplines related to the livestock production. During the sixth semester, students are engaged in an intensive on-farm practical training programme which built upon the theoretical background, strengthened during the initial five semesters.

Students specializing in Animal Science receive advance training on current developments in Animal Science in the seventh semester and followed by an industrial training at pre-arranged outside institutions. During the eighth semester, students undertake a research project which leads to acquire higher order learning skills and build self-confidence to face the future challenges. The research activities can be conducted either at the faculty research farm or outside institutions under the guidance of a panel of experienced academic staff members.

The academic staff consists of three emeritus professors, one professor, six senior lecturers and three lecturers trained in diverse fields of Animal Science. Nine supporting staff members including two well-trained technical officers manage the affairs well for the smooth functioning of the department. Postgraduate opportunities such as MSc, research based MPhil and PhDs are also available in variety of disciplines in Animal Science.

The Department of Animal Science is one of the top animal science research centers in the country and the academic members have developed

research collaboration with many local and foreign universities and institutes. Department also provide training opportunities for diverse groups in the society and actively involved in industry-university partnerships.

7.2 Academic Staff

Head of the Department

Dr (Ms) NMNK Narayana

Emeritus Professors

Prof KK Pathirana

BVSc (Peradeniya), MSc, PhD (McGill, Canada)
(Animal Nutrition)

Prof WWDA Gunawardena

BSc Agric (Peradeniya), Dip Ing Agro (ETH, Zurich),
PhD Nat. (ETH-Zurich) (Animal Production, Animal
Genetics & Breeding)

Prof (Ms) R T Seresinhe

BSc Agric (Peradeniya), Dip Ing Agro (ETH, Zurich),
PhD (Zurich) (Pasture Science & Animal Nutrition)

Professors

Prof NSBM Atapattu

BSc Agric (Ruhuna), MSc (Massey, New Zealand)
(Poultry Science and Nutrition)

Senior Lecturers

Dr (Ms) NY Hirimuthugoda

BSc Agric (Ruhuna), MPhil (Peradeniya), PhD
(Ocean, China) (Aquaculture)

Dr PW Anton Perera

BSc Agric (Ruhuna), MSc (Colombo), PhD
(Zhejiang, China) (Waste Management)

Dr (Ms) NMNK Narayana

BSc Agric (Peradeniya), MPhil (Peradeniya), PhD
(NDRI, India) (Dairy Science & Technology)

Dr (Ms) D Senaratne

BSc Agric (Ruhuna), Dip Environ Mgt (Israel), MSc
(Sri J'pura), PhD (Peradeniya) (Animal Behaviour
and Welfare)

Dr Indunil Pathirana

BVSc (Peradeniya), PhD (Osaka, Japan)
(Reproductive Physiology)

Dr A Manawadu

BSc Agric (Peradeniya), MPhil (Ruhuna), PhD
(Ruhuna) (Ruminant Nutrition)

Lecturers**Mr CJ Gajaweera**

BSc Agric (Ruhuna), MSc (Peradeniya), MABM (Ruhuna), Reading for PhD (South Korea)

Ms NA Pethiyagoda

BSc Agric (Ruhuna), MSc (Norway) (Fisheries Economics), Reading for PhD (Australia)

Ms. Sathya Sujani

BSc Agric (Ruhuna), M.Sc (Peradeniya)

Mr. WTL Fonseka

BSc Agric (Ruhuna), MSc. (Peradeniya) (Animal Science)

7.3 Courses offered by the Dept. of Animal Science

Course notation	Course Name	Status			Credits	Teaching hours		
		ARMT	ABM	GT		T	P	F
AS 1101	Anatomy and Physiology of Farm Animals	C			2	15	30	
AS 1201	Forage Crop Production	C	C		2	30		
AS 2101	Genetics and Animal Breeding	C			2	30		
AS 2201	Animal Nutrition and Feeding	C	C		3	30	30	
AS 2202	Non-Ruminant Management	C			2	30		
AS 2203	Sustainable Livestock Production Systems			C	2	15	30	
AS 3101	Animal Diseases and Hygiene	C	E		2	15	30	
AS 3102	Animal Products for Consumers	E			2	30		
AS 3201	Ruminant Management	C	E		2	15	30	
AS 3202	Practical Livestock Production	C	E		2			90
AS 4101	Advances in Animal Production	C			3	30	30	
AS 4102	Aquaculture	C			1	15		
AS 4103	Animal Behavior and Welfare	C			1	15		
AS 4104	Wildlife Management	C			1	15		
AS 4105	Animal Waste Management	E			2	30		
AS 4106	Care and Management of Companion Animals	E			2	30		
AS 4107	Livestock Economics and Legislation	E			2	30		

(Abbreviations used: ARMT-BSc Agricultural Resource Management and Technology, ABM- BSc Agribusiness Management, GT-BSc Green Technology, C-Compulsory course, E-Elective course, T-Theory hours, P-Practical hours, F-Field works)

8. Department of Crop Science

8.1 Introduction

The Department of Crop Science offers a comprehensive and rigorous academic programme for the BSc in Agricultural Resources Management & Technology. That provides the students with the requisite knowledge, experience and skills for sustainable production of plant species, which are nutritional, industrial, medicinal and environmental importance. To this end, it offers a broad spectrum of courses such as seed biology, production and management of crops, crop physiology, post-harvest management, cropping systems, agro-forestry, forestry, controlled environment agriculture, bio-statistics and climate change. The Department also supports the other degree programmes of the Faculty of Agriculture, namely Agribusiness Management and Green Technology by offering basic courses relating to Crop Science.

The Department provides a right blend of theoretical knowledge and practical training through a “student-centric approach” so that the graduates produced have the capacity and capability to develop solutions to the issues and challenges in crop production and allied fields. It also conducts a Master’s programme in Crop Production Technology and provides opportunities for higher studies leading to MPhil and PhD as well. While promoting academic and research excellence, the Department has forged close links with the community and industry making the academic offerings and research endeavours of the Department relevant to the world of work.

The Department of Crop Science, with its dedicated and competent staff, is emerging as a leader in proffering solutions to local and national issues and challenges in the realm of agriculture.

The Department consists of a teaching laboratory, research laboratory and plant tissue culture unit, which are modestly equipped to cater to the ongoing teaching and research programs of the Department. Further, two plant houses and a protected agriculture unit facilitated with hydroponics system is also available to serve the same. In recognition of the scientific merits of the research programs conducted in the Department,

numbers of research grants are offered to some senior members of the Department from national and international funding agencies.

4.5.2 Academic Staff

Head of the Department

Prof KKIU Arunakumara

Senior Professors

Snr Prof Ranjith Senaratne

(Prof of Crop Science), BSc Agric (Peradeniya), MPhil (Peradeniya), PhD (Vienna, Austria)

Snr Prof S Subasinghe

BSc Agric (Ruhuna), MSc (AIT, Thailand), PhD (Ruhuna)

Professors

Prof KKIU Arunakumara

BSc Agric (Ruhuna), MSc (Moratuwa), PhD (Ocean, China)

Senior Lecturers

Ms MKTK Amarasinghe

BSc Agric (Ruhuna), MSc (Peradeniya), MPhil (Ruhuna)

Dr (Ms) DLC Kumari Fonseka

BSc Agric (Ruhuna), MSc (Peradeniya), MSc (Colombo), PhD (Durham, UK)

Dr (Ms) Wathugala GD Lakmini

BSc Agric (Ruhuna), MPhil (Peradeniya), PhD (Durham, UK)

Ms DABN Gunarathna

BSc Agric (Ruhuna), MSc (KU Leuven, Belgium), PG Dip. (Peradeniya)

Dr IR Palihakkara

BSc Agric (Ruhuna), MSc (Sri J'pura), PhD (Tokyo, Japan)

Mr HKMS Kumarasinghe

BSc Agric (Ruhuna), MPhil (Ruhuna)

Dr (Ms) Menaka Fernando

BSc Agric (Ruhuna), MSc (UMB, Norway), PhD (Nottingham, UK)

Dr (Ms) NDN Priyadarshani

BSc Agric (Ruhuna), MPhil (Ruhuna), PhD (Melbourne, Australia)

Lecturers

Mr PHM Dharmasena

BSc Agric (Ruhuna), MSc (AIT, Thailand)

Ms. Ms. R.H.G.B. Prabashini

BSc Agric Res Mgt & Tec (Ruhuna)

Scientific Assistant**Mr PA Sunil**

BSc Agric (Ruhuna), MPhil (Peradeniya)

8.3 Courses offered by the Dept. of Crop Science

Course notation	Course Name	Status			Credits	Teaching hours		
		ARMT	ABM	GT		T	P	F
CS 1101	Principles of Agronomy	C	C	C	3	30	30	
CS 1201	Agroecology and Sustainable Agriculture	C			2	15	30	
CC 2101	Applied Statistics I	C			2	30		
CS 2101	Forest Management	C			2	15	30	
CS 2102	Urban Agriculture			E	2	15	30	
CS 2201	Fruit Crop Management	C	C		2	15	30	
CS 2202	Sustainable Crop Production Technology			C	3	30	30	
CS 3101	Export Agricultural Crop Management	C	E		2	15	30	
CS 3102	Plantation Crop Management	C	E		2	15	30	
CS 3103	Training on Plantation Crops	C			0			45
CS 3104	Nursery Management	E			2	15	30	
CS 3105	Landscape Architecture			C	2	15	30	
CS 3106	Forest Ecology			C	2	15	30	
CS 3201	Production Technology of Field Crops and Vegetables	C			3			135
CS 3202	Floriculture	C	E		1			45
CS 3203	Protected Agriculture	C	E		1			45
CC 3201	Applied Statistics			C	2	30		
CC 4101	Applied Statistics II	C			3	30	30	
CS 4101	Aquatic Crop Management	C			2	15	30	
CS 4102	Management of Medicinal Plants	C			1	8	15	
CS 4103	Cropping Systems	C			1	8	15	
CS 4104	Crop Experimentation	C			2	15	30	
CS 4105	Floriculture and Landscape Gardening Training	C			2		60	
CS 4106	Landscape Gardening	E	E		2	15	30	
CS 4107	Plant Tissue Culture	E	E		2	15	30	

(Abbreviations used: ARMT-BSc Agricultural Resource Management and Technology, ABM- BSc Agribusiness Management, GT-BSc Green Technology, C-Compulsory course, E-Elective course, T-Theory hours, P-Practical hours, F-Field works)

9. Department of Food Science and Technology

9.1 Introduction

The Department of Food Science and Technology was formed in June 2006 fulfilling a contemporary and future need of the Faculty. Prior to this, the Department was named Department of Agricultural Chemistry consisting of the two former divisions; Food Science and Soil Science. Compared to all other disciplines in Agriculture, Food Science is probably the most important single subject with regard to both its industrial applications and employment opportunities for graduates.

The academic staff of the Department at present consists of three Senior Lecturers and three lecturers in the various specialized fields in Food Science and Technology.

The Department laboratories are equipped for experimental work in Food Chemistry, Food Microbiology and Food Technology. Research in the Department reflects the wide range of disciplines encompassed by Food Science and Food Technology. Apart from the teaching and research, department involves with many community development and national level workshops relate to food science.

The Department at present offers, MPhil and PhD degrees by research in the areas of food chemistry, food microbiology and safety and food processing and preservation technology. The Department started its first master's programme of Master of Food Science & Technology (MFST) and the Postgraduate Diploma in Food Science & Technology (PGDipFST) in 2009. The Department

of Food Science and Technology, University of Ruhuna is the only leading teaching and training facility available in southern region on the field of Food science.

9.2 Academic Staff

Head of the Department

Dr PLN Lakshman

Professors

Prof Vijith S Jayamanne

BSc Agric. (Ruhuna), MPhil (SL), PhD (Surrey, England), MIBiol (SL) (Food Microbiology & Safety)

Senior Lecturers

Dr PLN Lakshman

BSc Agric (Ruhuna), MSc (Peradeniya), M.Sc (Ryukyus, Japan), PhD (Ryukyus, Japan) (Food Enzymology)

Dr (Ms) PABN Perumpuli

BSc Agric (Ruhuna), MSc (Ryukyus, Japan), PhD (Ryukyus, Japan) (Food Science and Technology)

Lecturers

Ms AAM Subodinee

BSc Agric (Ruhuna), MSc (Sri J'pura)(Food Science & Technology), Reading for PhD (Japan)

Ms GSN Fernando

BSc Agric (Ruhuna), Reading for MSc (Ruhuna)(Food Science & Technology), Reading for PhD in University of Leeds, UK

Ms. WTV. Thathsarani

BSc Agric Res Mgt & Tec (Ruhuna)

9.3 Courses offered by the Dept. of Food Science and Technology

Course notation	Course Name	Status			Credits	Teaching hours		
		ARMT	ABM	GT		T	P	F
FS 1101	Introductory Food Chemistry and Biochemistry	C	C		3	30	30	
FS 2201	Food and Nutrition	C	C		3	30	30	
FS 3101	Food Preservation and Processing Technology	C	E		2	15	30	
FS 3102	Fermentation Technology	E			2	15	30	
FS 3103	Organic Food Production and Preservation			C	2	15	30	
FS 4101	Food Microbiology and Safety	C			2	30		
FS 4102	Food Chemistry and Analysis	C			2	30		
FS 4103	Food Process Engineering	C			1	15		
FS 4104	Human Nutrition	C			1	15		
FS 4105	Cereal Chemistry and Bakery Product Technology	E	E		2	30		
FS 4106	Sanitation and Food Quality Control	E	E		1	15		

(Abbreviations used: ARMT-BSc Agricultural Resource Management and Technology, ABM- BSc Agribusiness Management, GT-BSc Green Technology, C-Compulsory course, E- Elective course, T-Theory hours, P-Practical hours, F-Field works)

10. Department of Soil Science

10.1 Introduction

The Department of Soil Science was established in June 2006 after the dissolution of the former Department of Agricultural Chemistry. The Department plays a significant role in the transition of Soil Science to a fundamental focus as it is an essential subject with applications in agriculture, forestry, engineering, and environmental sciences. Under the new curriculum, Soil Science is taught from an environmental and natural resource management perspective, deviating from the traditional agricultural basis. The academic staff of the Department at present consists of three professors, two senior lecturers, and two lecturers specialized in various fields in Soil Science. The Department offers 8 credits of compulsory courses in the first, second, and third years of the B.Sc. degree program. First and second year courses consist of descriptive and well-planned practical lesson series designed for undergraduate students.

The Department offers elective courses from third year onwards depending on the student demand. Students who are planning to pursue a career in Soil Science/Natural Resource Management are strongly encouraged to select appropriate elective courses in consultation with academic staff of the Department.

Interested students can select Soil Science for specialization/majoring in the final year and a series of related field visits is organized for them in the first semester. The final year second semester is allocated for the students to conduct research projects in Soil Science at the

Department or at various research institutes, and government departments in the country.

Opportunities are available for interested graduates to follow post-graduate degrees (MPhil. and PhD by research) under the supervision of the academic staff.

The research laboratory is equipped with valuable, sophisticated equipment to conduct Soil Science related research experiments. Soil Science related training workshops are conducted for students in the Faculty as well as for a wider community including school children and teachers.

Furthermore, the Department provides service for testing soil samples for outsiders at a reasonable fee.

10.2 Academic Staff

Head of the Department

Prof (Ms) DAL Leelamanie

Professors

Prof Sudas D Wanniarachchi

BSc Agric (Ruhuna), MSc, PhD (Guelph, Canada)
(Soil Biology & Biochemistry, Soil Biogeochemistry)

Prof (Ms) DAL Leelamanie

(Prof of Soil Science), BSc Agric (Ruhuna), MSc (Peradeniya), PhD (Tokyo, Japan) (Soil Physics, Soil Water repellency, Soil & Water Conservation)

Prof (Ms) BC Walpola

BSc Agric (Ruhuna), MSc (Kelaniya), PhD (South Korea) (Soil Fertility, Soil & Environmental Chemistry)

Senior Lecturers

Dr (Ms) SR Amarasinghe

BSc Agric (Ruhuna), MPhil (Open University), PhD (Saitama, Japan) (Environmental Science, Soil & Water Engineering, Waste Management)

Dr WMCJ Wijekoon

BSc Agric (Ruhuna), MSc (Peradeniya), PhD (Ryukyus, Japan) (Environmental Soil Science, Soil Biology & Ecology)

Lecturers**Ms TDP Liyanage**

BSc Agric (Ruhuna), MPhil (Ruhuna)

Mr UI Samarawickrama

BSc Agric (Ruhuna), MSc (Colombo)

10.3 Courses offered by the Dept. of Crop Science

Course notation	Course Name	Status			Credits	Teaching hours		
		ARMT	ABM	GT		T	P	F
SS 1201	Introductory Soil Science	C	C	C	3	30	30	
SS 2101	Soil-Plant Relations and Nutrient Management	C	C		3	30	30	
SS 3101	Land Resource Management	C	E	E	2	30		
SS 3102	Land Suitability Evaluation	E			2	30		
SS 4101	Soil Physics	C			2	30		
SS 4102	Soil Chemistry	C			2	30		
SS 4103	Soil Biology and Biochemistry	C			1	15		
SS 4104	Techniques in Soil Research	C			1	15		
SS 4105	Land Use and Environmental Quality	E			2	30		
SS 4106	Soil Fertility Management	E			2	30		

(Abbreviations used: ARMT-BSc Agricultural Resource Management and Technology, ABM- BSc Agribusiness Management, GT-BSc Green Technology, C-Compulsory course, E-Elective course, T-Theory hours, P-Practical hours, F-Field works)

11. Computer Unit

11.1 Introduction

The Computer Unit of the Faculty was established in 1991 as a separate unit. As per the new curriculum adopted by the Faculty, the Unit introduced computer awareness, information and communication technology, database management systems and rapid application development courses for undergraduates. In addition to those courses, the Unit facilitates all other 7 Departments to conduct soft skill development applications such as statistical application packages, geographic information systems and remote sensing (GIS and Remote Sensing).

The objectives of the current courses are to provide students with basic knowledge to use microcomputers, sound knowledge of working with application software and operating systems, Proper usage of internet services, database handling, simple application development and data analysis skills for their research in their future carriers as a tool and media in work.

Further, Computer Unit facilitates undergraduate and postgraduate students of the faculty to use its resources for the study-related activities such as reference work, preparation of presentations, data analysis and thesis writing.

The Computer Unit is responsible for maintaining and upgrading fiber optic backbone departmental local area networks and wireless network of the faculty providing email, web and other internet services, maintaining and updating Faculty web site, maintaining web server, mail server, file servers and other servers. In addition, Computer

Unit provides technical support for maintaining and repairing computer systems in the faculty.

The Computer Unit introduced the Learning Management System (LMS) in the faculty in year 2007. Some examinations such as assignments and quizzes are offered online for the benefit of the students and, further, lecture materials are uploaded on to the LMS system. All other IT facilities such as internet and e-mail facilities of the faculty are provided by the Computer Unit. Moreover, each and every student is provided with an official e-mail address with a view to ensuring effective communication among students and staff.

11.2 Academic Staff

Coordinator of the Unit

Dr. MKDK Piyaratne

Senior Lecturers

Dr. MKDK Piyaratne

BSc Agric (Ruhuna), MSc Computer Science (Kelaniya), PhD Eco Engineering in Pest Management (China)

Dr. KKL B Adikaram

BSc (Ruhuna), MSc Computer Science (Colombo), PhD Natural Sciences (Germany)

System Engineer

Mr ACP Priyankara

BSc Computer Science (Colombo), MSc Geo Informatics (Colombo), on leave (reading for PhD in Geo Environmental Sciences- Tsukuba, Japan)

System Analyst cum Programmer

Mr DT Andrahannadi

BSc (Ruhuna), on leave (reading for MSc in
Computer Science – NWAFU, China)

11.3 Courses offered by the Computer Unit

Course notation	Course Name	Status			Credits	Teaching hours		
		ARMT	ABM	GT		T	P	F
CC 1102	Computer Awareness	C	C		0	15	30	
CC 1104	Information and Communication Technology			C	2	15	30	
CC 1201	Information and Communication Technology in Agriculture	C	C		2	15	30	
CC 3101	Database Management Systems	E			2	15	30	
CC 3102	Rapid Application Development			E	2	15	30	
CC 4103	Rapid Application Development	E			2	15	30	

12. Examination and Registration

12.1 Examination Regulations/By-Laws

Examination regulations for all the degrees approved by the senate of the University of Ruhuna under section 136 of the universities act no. 16 of 1978 as amended by the universities (amendment) act no. 7 of 1985 are as follows.

These regulations provide the criteria and other conditions relating to examinations leading to all three degrees. Any interpretations of these regulations shall be submitted to the Senate and the decision of the Senate shall be final. These regulations shall be effective for the new entrants for the academic year 2013/2014 and thereafter.

12.2 Evaluation Procedure

Courses of all the three undergraduate degrees shall be evaluated on the basis of different components as tabulated below. Limits of marks to be allocated for each component are given in table 12.1

Table 12.1 Limits of Marks in Different Evaluation Components

Component	Marks
End Semester Examinations	50% - 80%
Mid Semester Examinations	00% - 25%
Practical / Field Work / Field Book etc.	00% - 40%
Assignment / Seminars	00% - 25%
Oral Examinations (End Semester)	00% - 10%
Total	100%

End-semester examination is compulsory for each course and should be conducted according to a prescribed timetable. Mid-semester examinations, if any, also should be conducted within the prescribed period. In addition to the end semester examination, evaluation of each course shall contain at least one other component. ***Students should obtain a minimum of 40 % each for***

theory and practical components in the end semester examination to pass the examinations.

The final year research project shall be evaluated on the basis of proposal presentation, supervisors' evaluation reports, final presentation and draft final report. Limits of the marks for each component are given in table 12.2. The results of the research project will be finalized after completion of all the components.

Table 12.2 Limits of Marks in Different Evaluation Components in Research Project

Component	Marks
Proposal presentation	10% - 15%
Supervisors evaluation reports, laboratory / field evaluation etc.	25% - 40%
Final presentation / oral examination	30% - 40%
Evaluation of final draft report	20% - 30%
Total	100%

Industrial training component of BSc Agricultural Resource Management Technology and BSc Agribusiness Management degree programmes is evaluated on the basis of attendance, supervisors' report and final report submitted by the student.

The industrial training components of BSc Green Technology degree programme is evaluated based on final presentation, final report and monthly progress reports submitted by the student.

Course Coordinators

The Coordinator of a course shall be a member of the academic staff of seniority not less than that of a senior lecturer. Scheme of evaluation of each course of the semester will be announced at the beginning of the semester by the lecturer concerned. In the case of common courses (CC) and combined courses (ID), course coordinator or

coordinators shall be appointed by the Faculty Board.

12.3 Grade and Grade Point Average

Grades and Grade points shall be assigned for each course according to the overall marks obtained for all components for the course. Marks with respective grades and grade points are shown in table 12.3.

Calculation of Semester Grade Point Average (SGPA)

Semester Grade Point Average (SGPA) is calculated using the following formula and students will have a grade based on their performance for the semester (Table 12.4).

$$SGPA = \frac{\sum C_i G_i}{\sum C_i}$$

Where,

C_i is the number of credits for i^{th} course

G_i is the grade point obtained for the i^{th} course

Table 12.3 Marks with Respective Grades and Grade Points

Marks (%) (Out of 100)	Grade	Grade Points	Remarks
≥ 85	A ⁺	4.0	Distinction
80 – 84	A	4.0	Excellent
75 – 79	A ⁻	3.7	Very Good
70 – 74	B ⁺	3.3	Good
65 – 69	B	3.0	Good
60 – 64	B ⁻	2.7	Good
55 – 59	C ⁺	2.3	Satisfactory
50 – 54	C	2.0	Satisfactory
45 – 49	C ⁻	1.7	Pass
40 – 44	D ⁺	1.3	Conditional Pass
35 – 39	D	1.0	Conditional Pass
35 >	E	0.0	Fail

Table 12.4 SGPA and Respective Grades

SGPA	Grade
$SGPA \geq 3.70$	First Class
$3.30 \leq SGPA < 3.70$	Second Class Upper Division
$3.00 \leq SGPA < 3.30$	Second Class Lower Division
$2.00 \leq SGPA < 3.00$	Pass
$SGPA < 2.00$	Scholastic Probation if the OGPA is less than 2.00

Calculation of Overall Grade Point Average (OGPA)

The Overall Grade Point Average (OGPA) is calculated at the end of each semester using the formula;

$$OGPA = \frac{\sum C_{ij} G_i}{\sum C_{ij}}$$

Where,

C_i is the number of credits for i^{th} course in the j^{th} semester

G_i is the grade point obtained for the i^{th} course

The student should maintain the **Overall Grade Point Average (OGPA) at the level of 2.0 or above. The student should repeat the courses with less than D grade at the next earliest opportunity and the student can only obtain a maximum of C grade.** If the student has obtained C- or D grades for a course he/she has alternatives either to repeat the course or to keep the grade as it is if he/she can maintain the minimum OGPA requirement. **Students with an OGPA of less than 2.0 will come under Scholastic Probation until the OGPA is elevated to 2.00, by repeating failed courses and/or taking more optional courses.**

For non-credit compulsory courses, students should obtain a minimum of C- grade to pass the course. Students who fail to achieve a minimum of C- grade for a non-credit compulsory course should repeat the examinations at the next earliest opportunity.

Students who fail to sit the end semester examination, but have fulfilled all other requirements and also have obtained

concessionary approval from the faculty board can sit for the final examination at the next earliest opportunity and **cannot obtain more than a maximum of A- grade**. Students with failed marks for final examination and successfully completed all other requirements **cannot obtain more than a maximum of C grade at the next attempt**.

12.4 Restrictions

Number of course credits for degree programmes

Allocated credit numbers and limits for different components in three degree programmes are given in Table 12.5.

Number of attempts for course examinations

Number of attempts to sit an end semester examination shall be not more than three unless the student has obtained concessionary approval from the Faculty Board and the Senate.

The period for completion of the degree

The maximum allowable time period to complete a BSc degree in the Faculty of Agriculture, University of Ruhuna is seven years unless the student has obtained concessionary approval from the Faculty Board and the Senate.

Table 12.5 Allocated Credits Numbers for Degree Programmes

Component	Numbers of Credits		
	BSc ARMT	BSc ABM	BSc GT
Maximum number of course credits per semester	22	22	22
Minimum requirement of Elective course credits	6	18	8
Specialization course credits	6	0	0
Research credits	6	6	6
Industrial training	2	2	6
Total number of compulsory course credits for the degree programme	114	95	104
Minimum requirement of course credits for the degree	120	113	112
Minimum requirement of total credits including research	128	121	124

12.5 Specialization Programme

Students who follow BSc Agricultural Resource Management & Technology degree can apply for a field of specialization at the end of 3-2 semester, based on their performance and choice. Only those students who have an OGPA of 2.7 or more by the end of 3-1 semester will be given the specialization field based on their preference. Other students will be allocated by the Faculty Board among the Departments based on the Student's performances, their preference and resources available in the Departments for the specialization programme. In the fourth year first semester, students should study specialization modules of the respective Department, all the compulsory common courses and Elective courses as directed by the respective Head of the Department, subject to the maximum credit limits per semester.

In the fourth year second semester, students should undertake a research/training project as directed by the assigned supervisor of the student and respective Head of the Department. After the completion of research project, the student shall submit a letter from the project supervisor indicating that the project report is ready to be evaluated at the examination along with a complete draft project report to the Head of the Department of study at least a week before the final examination. Such candidate shall have a minimum of 45% marks obtained for the conduct of project and preparation of the project report prior to appearing for the examination. Failure to fulfill above requirements shall disqualify a candidate from sitting the examination. In the event of project supervisor being not available to evaluate the project report, the Head of the Department or a person designated by supervisor and/or Head of the Department shall evaluate the project report.

12.6 Eligibility Requirements

End semester examination of a course

To be eligible to sit for end semester examination of a course, a student should fulfill the

attendance requirement of a minimum of 80% for practical, fieldwork and other assessments.

A candidate shall attend and undertake tests and assignments related to continuous evaluation and obtain not less than 40% of marks to be eligible to sit for the end semester examination.

A candidate shall also submit all assignments, laboratory/practical reports, specimen collections, etc., related to continuous evaluation in order to be eligible to sit for end semester examination. Candidates who fail to undertake mid-semester examinations/tests/ quizzes and/or submit assignments/reports, etc., related to continuous evaluations shall be given zero marks for the particular test and/or component of continuous evaluations.

Failure to fulfill the attendance requirements shall disqualify a candidate from sitting for that examination, but it shall be treated as an attempt. Such candidate/s shall repeat the entire course and shall be required to pay the examination fees as stipulated by regulations.

12.7 Calculation of Final Marks

The theory component of an end-semester examination of a course may consist of multiple choices, structured and essay type questions and the Departments of study shall decide on the composition of the examination paper, subjected to approval by the Faculty Board.

The practical components of courses shall be assessed continuously, by an end-semester examination or by both methods depending on the course and Department of study.

Oral examinations, when held, shall be as a component of practical assessment or as a separate examination.

For each course, an appropriate evaluation scheme shall be determined by the Department of study prior to the commencement of the semester and should be approved by the Faculty Board and the Senate.

An introduction to the course, class/laboratory activities, assignments and weights assigned to each component of evaluation shall be announced to the students by the Department of study at the beginning of the course.

12.8 Absentees at Examinations

1. A candidate who has been absent from a whole end-semester examinations shall be treated as if he/she has used an occasion unless a valid reason has been furnished by the candidate and accepted by the Faculty Board and the Senate. A candidate with an accepted valid reason shall take the whole end-semester examination on the next immediate occasion and shall get grading for courses and the examination according to the schemes given in Sections 12.3 and 12.4. If a candidate avoids taking the whole end-semester examination on the next immediate occasion without furnishing a valid reason, it shall be treated as an attempt.
2. If a candidate has sat only for a part of one or more course/s of an end-semester examination, it will be treated as a complete attempt for all prescribed courses in that examination unless a valid reason has been furnished by the candidate and accepted by the Faculty Board and the Senate.
3. Absence of a candidate from an end-semester examination on account of bereavement in the family (death of a parent, brother or sister, and if married, spouse or child) will be excused if approval is obtained from the Faculty Board and the Senate by submission

of a death certificate and appropriate proof of relationship.

4. A candidate who is absent only for a part of an end-semester examination shall take absent course/s at the next immediate occasion subject to restrictions given in Sections 12.3 and 12.4. If a candidate fails to sit absent course/s on the next immediate occasion without furnishing a valid reason, it shall be treated as an attempt.
5. All absentees at examinations due to medical reasons shall submit a medical certificate obtained from a person listed under item 12.10. These medical certificates shall be endorsed by the University Medical Officer before being presented to the Faculty Board and the Senate for approval.
6. An end-semester examination, which involves different components, shall be taken at one occasion except in the case of continuous evaluations. In the case of repeat or absent candidate, marks obtained for continuous evaluations shall be counted in the next end-semester examination.
7. A candidate, who is absent at a mid-semester examination/test/quiz with a reason accepted as valid by the teacher concerned shall be given another opportunity to sit the said mid-semester examination/test/quiz within two weeks of the date of the earlier examination/test/quiz.

12.9 Examination Procedure, Offences and the Punishments

Regulations made by the Senate of the University of Ruhuna under section 136 read with Sections 29, 45 and 46 of the Universities Act No. 16 of 1978 as amended by the Universities (Amendment) Act No. 7 of 1985 are applicable. According to the University of Sri Lanka, Manual of Procedures for Conduct of University Examinations published by University Grants Commission in 1st September, 1983, examination rules offenses and punishments are mentioned in appendix B.

12.10 Medical Certificates

Students are requested to support the absence from course work or examinations due to illness by a valid medical certificate conforming to the format of a medical certificate issued by a government hospital. Such medical certificate should be obtained from the following persons.

- University Medical Officer
- District Medical Officer
- Consultant Specialist in the relevant field
- Head of a government base hospital
- Medical Superintendent of a provincial Ayurvedic government hospital
- Ayurvedic physician registered in the Ayurvedic Medical council

Students who fall ill during sessions of examination time should contact the University Medical Officer at the University Health Center immediately. If a student falls sick at home or elsewhere during the session of an examination time he/she or his/her guardian should inform the Dean/ Deputy Registrar of the Faculty within seven days by telegram followed by a letter indicating the nature of the illness and the name of the attending doctor and other relevant information. Medical certificate supporting the illness of the student should also be sent to the Dean/ Deputy Registrar of the Faculty.

12.11 Scheme for awarding degrees

Subject to appropriate by-laws, a candidate who has completed all the requirements of the three degrees fulfilled the proficiency requirements (***minimum of level I of the proficiency in English*** conducted by the University of Ruhuna), is awarded First Class Honors, Second Class Honors (Upper or Lower Division), or a Pass.

To award the degree the student shall complete all the components of the degree course including compulsory courses, elective courses, industrial training and research project and also shall

complete the minimum numbers of credit requirement with respect to the degree programme (Table 12.5). ***To obtain a degree with a class, the student should complete the credit requirement within a period of four academic years (eight semesters) unless special approvals have been obtained from the Senate.***

Effective Date of the Degrees

The effective date of the all three degrees shall be the last date of the stipulated examination period on which the Final Examination of the fourth year second semester. To be eligible for this effective date, a candidate shall submit the completed five bound copies of the project report within six months after completion of the examination. For repeat students, effective date shall be the date of commencement of the final examination of the final year second semester after completion of all the requirements of the degree.

13. Gold Medals and Awards

13.1 Gold Medals

Gold medals are awarded to the students who achieve the most outstanding academic records. These medals are funded by the various foundations and individuals. Gold medals are presented at the general convocation of the University of Ruhuna. There is no monetary award associated with the medals.

Gold Medals for Agricultural Resource Management & Technology Degree

1. **Dr SK Charles Memorial Gold Medal** is awarded by Mrs MP Gunawardena to the graduate who obtained highest GPA for all the compulsory courses at the final year of the BSc Agricultural Resource Management & Technology honours degree.
2. **Upali Wijewardhana Memorial Gold Medal** is awarded by the Upali Foundation to the graduate who obtained highest overall grade point average with First class or Second class Upper division honours for the degree of Bachelor of Agricultural Resource Management & Technology honours.
3. **Professor YDA Senanayake Gold Medal** is awarded by Professor YDA Senanayake to the graduate who obtained the highest Grade Point Average for all the compulsory courses offered by the Department of Crop Science in all the examinations of the BSc Agricultural Resource Management & Technology degree.
4. **DHE Mohotti Memorial Gold Medal** is awarded by Dr JE Mohotti to the graduate with the best performance in the third year second semester examination of the Degree of the Bachelor of the Science of Agricultural Resource Management & Technology.
5. **Mallika De Mel Gold Medal** is awarded by the Ronnie De Mel Trust Fund to the graduate who obtained the Degree of Bachelor of the Science of Agricultural Resource Management & Technology with First Class Honours securing the highest Grade Point Average.
6. **Dr PSJW Seresinhe Memorial Gold Medal** is awarded by Senior Professor (Mrs) RT Serasinhe and children to the graduate who obtained the highest marks for the Field and vegetable crop production course in the third year second semester of the Degree of Bachelor of the Science of the Agricultural Resource Management & Technology and obtaining the highest GPA for all the compulsory courses offered by the Department of Crop Science at the final year first and second semester examinations.
7. **WG Don Kirigoris Appuhami Memorial Gold Medal** is awarded by Professor PW Epasinghe and Mrs Nanda Epasinghe, to the graduate who obtained highest grade point average for all the compulsory courses offered by the Department of Agricultural Biology at the final year examinations of the degree of BSc Agricultural Resource Management & Technology and graduated with a First class honours.
8. **Mr and Mrs Rajapakse Memorial Gold Medal** is awarded by the DA Rajapakse Commemorative Oratorical Organizational Committee to the graduate who specialized in the field of Agricultural Engineering for the Degree of Bachelor of the Science of Agricultural Resource Management & Technology obtaining the highest Grade Point Average all the subjects offered by the Department of Agricultural Engineering and Passed with First Class Honours.

Gold Medals for Agribusiness Management Degree

Professor Mahinda Wijeratne and Professor Vinitha Wijeratne Gold Medal is awarded by Professor Mahinda Wijeratne and Professor Vinitha Wijeratne to the graduate who obtained the Degree of the Bachelor of the Science of Agribusiness Management with the highest grade point average, being successful entire subjects at the first attempt and passed with First Class Honours.

13.2 Vice-Chancellor's and Dean's Awards

Vice Chancellor's and Dean's Awards are awarded annually to the students with the best overall performances in each Faculty under the approved marking scheme. These awards are funded by the University and administered by the office of the Deputy Vice-Chancellor with the collaboration of Deputy Senior Student Counselors of the faculties and assistance of the Examination and the Student Affairs branches.

Dean's Awards

Best five students in each batch from each faculty are selected under the approved marking scheme. Dean's award is awarded to the best student in each batch, a certificate of achievement and a cash prize of Rs.10, 000.00 is awarded annually at an award ceremony held at the faculty and others are included in the Dean's list and a certificate of achievement is awarded.

Vice-Chancellor's Awards

Students of graduating batch are eligible for the Vice Chancellor's Award. Best overall student who completed the degree from each faculty is selected under the approved marking scheme and a Gold Medal and a certificate of achievement are awarded at the General Convocation.

Other two students who are top in the list under the approved marking scheme from each faculty are selected and included in the Vice Chancellor's list. The names are announced at relevant Faculty Board meeting and a certificate of achievement is awarded at an award ceremony held at the Faculty level.

Application Procedure

- Students shall apply for the awards using the application forms issued by the University. Application forms shall be available at Dean's office and can also be downloaded from University web site.
- Students shall submit certified copies of all relevant certificates as documentary evidence attached to their applications.
- Students shall submit their applications through their Mentors/Academic Advisers who shall certify the contents of the applications.
- Students shall prepare and participate for interviews if the selection panel requests.

Eligibility requirements

- a) The students obtaining an average GPA required for a Second Class Upper Division or above in the first attempt of the relevant examination of the courses of study in each academic year will be eligible for an award.
- b) Any student who has had disciplinary action taken against him/her by the University and warned (in writing) by the Vice Chancellor or Deputy Vice Chancellor as found guilty for any misconduct shall not be eligible for and award.
- c) The overall score achieved by the applicant shall be 70 marks or above for the Vice Chancellor's Award/ List and 65 marks or above for the Dean's Award/ List

Ineligible Students

Any student who has been punished by the University and/or warned (in writing) by the Vice Chancellor or Deputy Vice Chancellor as found guilty for any misconduct shall not be eligible for an award.

Criteria of selection

➤ **Marks for academic achievements (Maximum 60 marks)**

- The applicant who has the highest GPA above or equivalent to the required GPA for the First Class shall be given 60 marks. Other students shall be given marks which are scaled down according to their GPA
- **If no applicant satisfied the above condition, 60 marks shall be assigned for the required GPA for the First Class and the other eligible students shall be given marks which are scaled down according to their GPA.**
- The average of the GPA obtained at each examination of a relevant academic year shall be considered separately for dean's awards. The overall GPA obtained for all examination shall be considered separately for the vice chancellor's awards.

➤ **Marks for sports achievements (Maximum 20 marks)**

Description	Marks
World University games/ International games (Olympic, SAAC, Asian games etc.)	
First place	20
Second place	15
Third place	10
Participation for an event (Max. up to 10 marks)	5
National Games	
First place	10
Second place	8
Third place	6
Participation for an event (Max. up to 6 marks)	3
Inter University Games	
First place	6

Second place	5
Third place	4
Participation for an event (Max. up to 4 marks)	2
Provincial Games	
First place	4
Second place	3
Third place	2
Participation for an event (Max. up to 2 marks)	1
Inter faculty Games/ District Games/ University Recommended Invited Games	
First place	1.5
Second place	1
Third place	0.5
University Fresher's Meet	
First place	1
Second place	0.75
Third place	0.5
University Colours/ Best Athlete/ Player of the Year	2
Post of President/ Vice President/ Secretary/ Junior Treasurer/ Editor of Sport Council/ Captain of a University Sport Team	1/position/year
Vice-Captain of a University Sport Team	0.5/position/year

➤ **Marks for extra-curricular activities other than sports (Maximum 20 marks)**

Description	Marks
Post of President/ Vice President/ Secretary/ Junior Treasurer/ Editor of Student Unions/ Societies/ Associations	1/position/year
International Level Competition and Awards	
First place	10
Second place	8
Third place	6
Participation for an event (Final round)	3
National Level Cultural Events/ Talent Shows/ Invention and Innovation and Awards or equivalent Event (Stage Drama/ Movies/ Dancing/ Singing/ Painting/ Photography etc.)	
First place	5
Second place	4
Third place	3

Participation for an event (Final round)	1.5	
University Approved Events (Competition/ Orator/ Singing/ Dancing/ Drama/ Poetry/ Writing/ Scrip Writing/ Invention and Innovation etc.)		
University Level	First place	5
	Second place	4
	Third place	3
Faculty Level	First place	2
	Second place	1.5
	Third place	0.5
Recipient of Patent		8
University Approved Event Organizing		0.5
Inter University Level Competition/Awards	First place	6
	Second place	5
	Third place	4
Approved University Representation at International Forum/Event		5
Paper accepted/ Presented at any accepted conference/ Symposium		3
Publication of Books/ Holding of Individual Exhibition		2

(painting/Arts/ handcrafts etc.)	
Contribution to Official Function of the University	0.5

Special notes:

If the overall score achieved by two or more candidates of the same Faculty for the Vice Chancellor's Award is identical, the special panel consisting of Deputy Vice Chancellor and Deans of Faculties shall re-evaluate the applications and interview the candidates to select the Best Student.

Final recommendation to the Senate for Vice Chancellor's Awards/List should be made by the special panel consisting of Deputy Vice Chancellor and Deans of Faculties.

The Council approval should be obtained on the recommendation of the Senate for the nominees of the Dean's Award/List and Vice Chancellor's Award/List.

14. Library

14.1 Introduction

The Library of University of Ruhuna being a central research library in the southern region of Sri Lanka caters for vast variety of communities in the country. The Ruhuna University Library has five branch libraries in addition to the Main Library, which serve the Faculty of Agriculture at Mapalana, Faculty of Engineering at Hapugala, Faculty of Medicine at Karapitiya, Faculty of Allied Health Science at Mahamodara and Uluvitike and Faculty of Technology at Karagoda Uyangaoda.

Main Library located in the Wellamadama university premises which serves the communities of five faculties; Faculty of Humanities and Social Sciences, Faculty of Fisheries and Marine Science & Technology, Faculty of Science, Faculty of Management and Finance and Faculty of Graduate Studies. In addition to that services are provided for outside communities too.

14.2 Staff of the Library

Staff of the Library of University of Ruhuna consisted of 13 Academic staff members and two administrative staff members.

Academic Staff Members

Librarian	Mr. Ananda Karunaratne B.Dev.Studies (Statistics) (Hons)(Colombo) Dip. in Lib. and Inf. Science (Kelaniya) MSSc. (Lib. & Inf. Science) (Kelaniya)
Senior Assistant Librarian (Faculty of Agriculture)	Mrs. S.L. Gammanpila B.Sc. Agri (Hons) (Ruhuna) MLS (Colombo)
Senior Assistant Librarian (Technical Service)	Mr. N. Hettitiarachchi B.Sc. (Hons) (Ruhuna) MSSc. (Lib. & Inf. Science) (Kelaniya)
Senior Assistant Librarian (Reader Services)	Mr. U.A. LalPannila B.A.(Hons) (Peradeniya) MSSc. (Lib. & Inf. Science) (Kelaniya)
Senior Assistant	Mr. J.J. Garusing Arachchi

Librarian (Faculty of Engineering)	B.A. (Hons) (Kelaniya) MLS (Colombo)
Senior Assistant Librarian (On study leave)	Mrs. T. Kuruppu Arachchi B.Sc. (Hons) (Ruhuna) MLS (Colombo) Reading for Ph.D. (Australia)
Senior Assistant Librarian (Faculty of Medicine)	Mr. K.T.S. Pushpakumara B.Sc. (Hons) (Ruhuna) MLS (Colombo)
Senior Assistant Librarian (Technical Service)	Mr. K.H. Ramanayaka B.Sc. (Hons) (Ruhuna) MSSc. (Lib. & Inf. Science) (Kelaniya) Reading for Ph.D. (China)
Senior Assistant Librarian (Digital Library and Periodical)	Mr. I.D.K.L. Fernando B.Sc. (Hons) (Ruhuna) M.ISM. (Colombo)
Senior Assistant Librarian (Cataloguing and Classification)	Mrs. Sakunthala Senevirathna B.A. - Lib Sci. (Hons) (Kelaniya) Dip. in Journalism (Colombo) MSSc. (Lib. & Inf. Science) (Kelaniya)
Assistant Librarian (Acquisition Division)	Ms. P.K. Jayasekara B.Sc. Agri (Hons) (Ruhuna) Reading for MLS (Colombo)
Assistant Librarian (Faculty of Allied Health Science)	Mr. P.G. Nishantha B.Sc. (Hons) (J'Pura) Reading for MLS (Colombo)
Assistant Librarian (Faculty of Technology)	Mr. J.A. Ajith B.A. (Hons) (J'Pura) MA (J'Pura) MIT (UCSC, Colombo)
Administrative Staff Members	
Senior Assistant Registrar (Library Services)	Mr. C.P.K. Edirisinghe B.A. (Hons) (J'Pura) PDBA (Ruhuna)
Senior Assistant Registrar (Library Services)	Mrs. G.A. Jagathi Hemmali

14.3 Library Opening Hours

A description of hours of opening is given in the following table.

Description of the period	Days of opening	Hours of opening
Semester	Monday to Friday Saturdays	8.00 a.m. to 6.00 p.m. 8.30 a.m. to 5.00 p.m.
	Sundays	Closed
Study Leave and Examination	Monday to Friday Saturdays and Sundays	8.00 a.m. to 8.00 p.m. 8.30 a.m. to 5.00 p.m.
	Monday to Friday Saturdays	8.00 a.m. to 5.00 p.m. 8.30 a.m. to 5.00 p.m.
Long Vacation	Monday to Friday Saturdays	8.00 a.m. to 5.00 p.m. 8.30 a.m. to 5.00 p.m.
	Sundays	Closed
Public holidays and Poya days	-	Closed

Note - Opening hours of library may be revised

14.4 Library Collections

The library consisted of sections for lending, reference, periodicals and special collections. In detailed descriptions of library collections are given below.

Lending Section

Lending section is located in the second floor of the Library. Lending section issues books for a period of two weeks to undergraduates. If needed which can be extended for another two weeks through the "ISURu" database.

Reference Section

This section is located in the first floor of the Library. Reference section includes reference materials and permanent reference materials. Reference materials are issued to students for overnight use. Reference materials could be borrowed between 3.00 p.m. to 5.00 p.m. and should be returned before 10.00 a.m. of the due date.

Permanent reference materials (such as encyclopaedias, dictionaries, glossaries and other valuable books) are intended strictly for reference within the library. Reading facilities are provided in this section.

Periodical Section

Periodical section is located in the first floor of the Library. The periodical section consists with different kinds of printed and online resources, such as; back volumes of printed journals, newsletters, printed periodicals currently subscribed by University of Ruhuna Library, online databases subscribed through Consortium of Academic Libraries of Sri Lanka (CONSAL) and past examination papers.

Printed periodicals currently subscribed by University of Ruhuna Library

1. Scientific American
2. National Geographic Magazine
3. Time magazine
4. Lanka Monthly Digest
5. Journal of the National Science Foundation of Sri Lanka
6. විමර්ශන

Databases subscribed through Consortium of Academic Libraries of Sri Lanka (CONSAL)

1. Emerald
2. Taylor & Francis
3. SAGE Research Methods Online
4. Oxford University Press
5. Science Direct
6. Wiley online Journal
7. HINARI
8. AGORA
9. OARE

Printed materials available in periodical section are meant to be used within the Library. This collection is opened from 9.00 a.m. to 4.00 p.m. on weekdays.

The Sri Lanka Collection (Ceylon room)

This collection is arranged in a separate room in the first floor. The library materials, which are useful to obtain various information about Sri Lanka, are arranged in this collection, such as;

1. Government publications (Annual reports, statistical reports)
2. Rohana collection
3. Copies of Master's and Doctoral theses of Academic staff and students of the University of Ruhuna
4. Professor Justin Labrooy collection
5. Professor AlawaththagodaPremadasa collection
6. Newspaper collection

Readers may not allow to remove library resources from this collection. This collection is opened from 9.00 a.m. to 4.00 p.m. on weekdays.

Legal Deposit Collection

Legal Deposit Collection is located in the newly established library building in first floor and the Second floor. Legal Deposit Collection is the latest collection in Main Library., University of Ruhuna. The University of Ruhuna has become fortunate to join the group of institutes in Sri Lanka that have been maintaining legal deposit collections since 2013. This collection consisted of all the publications published within Sri Lanka since 1990. Currently, this valuable collection consisting of about 200,000 items including books, newspapers, journals, magazines, handbooks, annual reports, pamphlets, government publications such as gazettes, hansards, acts and school text books, proceedings, posters etc. written in various languages. These items are stored under preservative conditions and only available for reference within the collection. This collection is opened from 9.00 a.m. to 4.00 p.m. on weekdays.

Colour Plate Collection

Colour plate collection is located in the first floor of the library. This collection consisted of books with valuable colour images. Colour plate collection is kept in a locked glass cupboard in the Reference section of the library for careful preservation. Students need to make a request to use this collection.

14. 5 Library Resource Classification

The library materials in the University of Ruhuna Library is organized according to the Dewey Decimal Classification (DDC) system. DDC helps to arrange library materials by discipline. The main classes of DDC as follows;

DDC number	Discipline
000	Computer science and general works
100	Philosophy and psychology
200	Religion
300	Social Sciences
400	Language
500	Natural sciences and mathematics
600	Technology (Applied science)
700	Arts; Fine arts and decorative arts
800	Literature and rhetoric
900	Geography and history

14.6 Library Catalogue

An Online Public Access Catalogue (OPAC) is a computerized online database of all the resources held in the library. Users can use OPAC to search library materials available in the library. It can be accessed from URL: isuru.lib.ruh.ac.lk. OPAC provides facilities to search library materials using keywords, title, author, subject, ISBN, series and call number

14.7 Library Services

Ask a Librarian Service

Senior Assistant Librarians and Assistant Librarians of the University of Ruhuna Library provide reference services to the library users with direction to library materials, advices on library collections and services and searching multiple kinds of information from multiple sources.

Skill Development Programs

Library of University of Ruhuna is currently conducting Information Literacy course modules in Faculty of Fisheries and Marine Science & Technology, Faculty of Agriculture, Faculty of Engineering and Faculty of Medicine. The main purpose of these modules is to develop students' information literacy and library skills. Academic staff of the library facilitates students throughout the course module with comprehensive theoretical and practical work.

In addition to this course unit, library conducting continuous student orientation, training and support with information management through workshops and seminars.

Inter-Library Loans (ILL)

Any book and photocopies of research articles in journals, which are not available in the University of Ruhuna Library, but available elsewhere, could be obtained via inter-library loan. Readers who wish to avail themselves of the faculty should use the application available at the Library Office.

Library Resource Centre

Library Resource Centre provides following facilities;

- Computer Lab - 20 users can occupy at a time(temporarily closed)
- Library Auditorium - can be used for 80 users with the modern electronic facilities

Library Self Learning Area

Library Self Learning Area is open from 8.00 a.m. to 8.00 p.m. throughout the year with free Wi-Fi facilities.

Photocopying Service

The Library provides a photocopying service for those who requires copies of reference materials available in the Library. An agency photocopy service was installed to the Library.

Student Counselling

The student counselling service of the library provides services and programs which promote the personal development and psychological well-being of students. Students have the opportunity to discuss their various psychological, social and financial issues or any other difficulties they face during their university education and library use. Counselling services maintain strict confidentiality.

Outreach Programs

Library of University of Ruhuna is conducting workshops, training programs and awareness programs to enhance the information literacy skills of teacher librarians, library science students and different target populations in Southern province.

Library Membership

Full membership of the library is available to all registered undergraduate and postgraduate students of University of Ruhuna. All students are required to register at the library by using the application form provided.

Borrowing Library Resources

With the exception of certain categories (i.e. Permanent reference materials, dictionaries, atlases, books under special collections etc.) all other books may be borrowed. The university record book or identity card must be produced when borrowing books. Books may be borrowed before 5.00 p.m. Details about the number of books can be borrowed is given in following table.

Number of books can be borrowed by students

Degree program and Level	Lending books	Reference books	Electronic media
Level I	03	01	01
Level II	04	02	01
Level III	05	02	01
Level IV	06	02	01
Postgraduate	03	01	-

Note - Level I students are only allowed to borrow one 'Student centred learning' material.

Returning Library Resources

Borrowed books must be returned by 9.00 a.m. on the due date. Borrowers remain responsible for books, which are issued to them.

If an issued book is lost or damaged, the matter should be reported to the library immediately. Borrower has to replace it with a new copy of the same edition or subsequent edition within due date. If the book is not available in the market, the borrower will be charged for the replacement cost of the book and a processing fee of 25% from the value of the book.

All library resources borrowed must be returned and all outstanding fines must be paid when a student leaves the university. Users who fail to fulfil their obligations may have their degree certificate withheld until they return the borrowed resources and pay the fine.

Fines and Payments

A fine of Rs.1.00 per day will be imposed in respect of each book borrowed from lending section, if not returned by the due date. A fine of Rs.3.00 per day will be imposed in respect of each book borrowed from reference section, if not returned by the due date. All payments should be made to the Shroff of the University.

15. Learning Resources

15.1 English Language Teaching Unit

The main English Language Teaching Unit (ELTU) of the university located in the Faculty of Humanities and Social Sciences is common to all faculties of the University. A full-time English Lecturer from the ELTU is attached to the English Unit of the Faculty of Agriculture (EUFA). At present Mr. SGS Samaraweera (*BA (J'pura), MA (Kelaniya), Reading for PhD (Canterbury, New Zealand)*) is working as the English Lecturer. The EUFA forms an integral part of the academic activities of the faculty. Objectives of the English Unit are to equip the graduates with necessary language skills required for effective learning and communication. Two kinds of teaching programmes as follows are undertaken by the English Unit (EUFA).

- **Upon the entry of the new students into the faculty, the EUFA conducts an intensive English course.** All new entrants are expected to sit a placement test and are grouped on the basis of their performances. Qualified trained English instructors are hired for the intensive English course.
- On-going English programme designed for senior undergraduates.

In order to obtain the BSc ARMT or BSc ABM or BSc GT degree it is compulsory that students pass Level I Examination in English. Upon the successful completion of the Level I, Level II and Level III English Examinations, a Certificate in Proficiency in English is issued by the University.

The English unit possesses basic audio-visual materials, equipment and reading materials. The coordinator of the English Unit is appointed by the faculty board and at present, Dr (Mrs) PABN Perumpuli, a senior Lecturer attached to the Department of Food Science and Technology is working as the coordinator.

15.2 UTEL (University Test of English Language)

UTEL, which has been introduced to the University system, is rather equivalent to the format of IELTS (International English Language Testing System), since the student is tested on all four components (Listening, Speaking, Reading and Writing). The students who achieve UTEL 5 or above from the Listening and Reading tests are eligible to attempt the Speaking and Writing tests. Reading and Listening tests are conducted as online components while Speaking and Writing components are conducted as conventional university speaking and writing exams.

15.3 Computer Unit

At present the unit has around 70 fully networked computers and infrastructure facilities with lab space for 150 computers. Currently the unit provides services for 750 undergraduates, 100 postgraduates and the 80 staff members. The unit maintains several servers including Web Server, Email Server, Proxy Server, Student Login Server, Student File Server, Antivirus Management Server, Network Monitoring Server, Learning Management System Server and Management Information System Server. In addition to wired network system, the Unit provides WiFi facility for all staff members and students.

Opening hours

Days of opening	Hours of opening
Monday to Friday	8.00 a.m. to 8.00 p.m.
Saturdays	8.00 a.m. to 4.00 p.m.
Sundays & Poya days	Close

15.4 Learning Management System (LMS)

Learning Management Systems (LMS) of the Faculty is used for online teaching and learning purposes since 2007. All students and staff members are provided user names and passwords to log in to the LMS. Teachers can use the system to create online quizzes for examinations, upload their lecture notes, create assignments, conduct

teacher and course evaluations online, display news for students, etc. Students can enjoy all these facilities through their login accounts. After log in to the LMS, students can access their all course units which they are enrolled. LMS is organized weekly basic for all learning materials. Students are advised to check the relevant course module for any updates of quizzes, lecture materials or any other news items.

In parallel with the LMS, students are provided official faculty email addresses with the domain of **@agristu.ruh.ac.lk**. The faculty uses these student email addresses to communicate with students for all administrative and academic purposes. Students are highly advised to use the faculty email addresses in order to receive all communications done by the academic and administrative staff.

15.5 Management Information System (MIS)

Introduction

The MIS of the Faculty of Agriculture is meant to assist management of the Information System of the Faculty. Users of the MIS (Students, Dean, Heads of Departments, Lecturers, Deputy Registrar, Academic Supportive staff and Non-academic staff) can perform various different tasks. Every user is assigned a user name and a password to log-in to the system. Students must change the given temporary password at the first time the login to the system. All students must use MIS to register for course units and examinations in every semester. Registered students can view their own course units, attendance of classes, eligibility for examinations, results and notices etc. Changes in course unit registrations are allowed within the specified time limit at the beginning of the semester. All students must complete and update their personal information page.

Registration for Course Units and Examinations

Registration process for course units starts before the beginning of the new semester and the date and time duration (generally two weeks) will be

announced by the Dean's office. After completion of registration, students will be given another one week for any changes of their courses, and after the deadline, students are not allowed to change registered Course Units. ***Students who did not register for Course Units during the given period are not allowed to register for examination*** of those course units.

Registration process for the examination starts at the end of the semester and all students are advised to register for examinations before the deadline as the dates are announced by the Dean's office. Students can register for examinations of registered Course Units only. A student who registered to a repeat examination should submit the relevant paying voucher to the Dean's office to obtain the confirmation. After the registration for examinations is completed, the eligibility for each course unit, which depends on the percentage of attendance (80%) and marks obtained for the mid semester examinations (continuous assessment) will be displayed in the system. It is the responsibility of the student to register for course units and examinations in every semester. Registration for Course Units and examinations will be confirmed by the Dean's office and the confirmation of each Course Unit can be seen in the system. This confirmation indicates that the registration is successful. If any Course Unit is not confirmed, the students are advised to contact Deputy Registrar at the Dean's office.

Access to the MIS

Students can access the MIS through the Faculty web site (**www.agri.ruh.ac.lk**, click the link MIS in the Faculty home page) or directly go through the link **<http://paravi.ruh.ac.lk/foagmis>**.

15.6 The Research Farm

The University Research Farm at Mapalana encompasses about 65 ac of both upland and lowland land. It consists of about 5 ac of Lowland

Paddy, 9 ac of Cinnamon, 10 ac of Coconut, 5 ac of grassland, 1 ac of Banana, and small extents of Pepper, Coffee, Cloves, Pineapple, Mango, Papaya, Durian, Vegetables and a jungle reserve. Quite a substantial area is still under-utilized. Jack, Bamboo and a large array of timber species dominates this area.

The Faculty Farm has a nursery, consisting of a wide variety of nursery plants for sale. Recently, much effort has been made to upgrade the nursery to cater to the increasing demand for planting materials. The two Orchid houses, which started as an attraction, are also becoming of commercial value with more and more Dendrobiums, Vandas, etc. on sale. The Poultry units accommodate about 500 layers and 300 broilers. Plans are under way to increase the capacity of the poultry unit. The cattle herd is about 10 Cows and 12 Heifers with a milk yield of about 35 L/day. Twenty five buffaloes consisting mainly of Murrah breed are also reared on the farm and are primarily used for curd production. A herd of about 25 goats is on the farm and a continuous programme is underway to improve them by cross breeding with Jamunapari breed. A small piggery unit is also maintained by the farm.

The major aims of the farm are to provide practical training, research and demonstration, income generation and to address the problems of farmers in the area. The farm is managed by a farm manager who is assisted by two supervisors. The farm development committee appointed by the Faculty Board advises the farm manager on the development of the farm.

Chairman of the Farm Development Committee

Mr HKMS Kumarasinghe (Senior Lecturer/
Department of Crop Science)

Farm Manager

Mr. BDG Udes, BSc Agric (Ruhuna), Reading for
MPhil (Ruhuna)

A well-equipped meteorological station with automated equipment is maintained by the Department of Agricultural Engineering for teaching and research activities. Data recorded in the station is available at a reasonable fee.

15.7 Meteorological Station

16. Sports and Recreation

16.1 Physical Education Unit

Activities pertaining to the sports at the University are conducted by the Department of Physical Education, which is located at the Wellamadama Campus. The Department is governed by a sports advisory board which consists of officials of the department and two academics from each of the Faculties.

The Faculty representatives of the sports advisory board of the University of Ruhuna are appointed by the Faculty board and at present, Dr Ganganie Samaraweera and Mr PCD Perera, attached to Department of Agric Economics and Department of Agric Biology respectively, work as the Faculty representatives of the sports advisory board of the University of Ruhuna.

The main aim of the Physical Education Unit is to produce graduates with good physical and mental standing who possess good leadership qualities and obey common decisions and the law of the nation. To fulfill the above aim, the department conducts many physical education and sports activities.

Staff of the Department of Physical Education Director

Mr. PN Weerasinghe
B.com (J'pura), Dip. In Sports

Instructor for Faculty of Agriculture

Ms. SL Vidanaduruge
BSc Sports Sci & Mgt (Sabaragamuwa)

Faculty representatives to the sports advisory board

Dr. GC Samaraweera (Senior Lecturer/Agric Economics)
Mr. PCD Perera (Lecturer/Agric Biology)

16.2 Sports Facilities

There are numerous student sports activities organized by the Physical Education Department, including both indoor and outdoor sports. A gymnasium with training facilities is located in the Wellamadama Campus for indoor sports which has seating capacity for 3000 spectators. .

At present University provides the facilities for following indoor sports:

1. Badminton (Men & Women)
2. Basketball (Men & Women)
3. Carrom (Men/women)
4. Chess (Men & Women)
5. Karate (Men)
6. Netball
7. Table Tennis (Men & Women)
8. Taekwondo (Men/women)
9. Volleyball (Men & Women)
10. Weight Lifting (Men)
11. Wrestling (Men)

Outdoor sports facilities are provided to students at Wellamadama Campus grounds. When facilities are not available, the University provides support for students to practice the sport of their preference by providing facilities available elsewhere. Following outdoor sports facilities are made available free of charge to all university students.

1. Athletics (Men & Women)
2. Baseball (Men)
3. Cricket (Men)
4. Elle (Men & Women)
5. Football (Men)
6. Hockey (Men & Women)
7. Rugger (Men)
8. Road Race (Men)
9. Swimming (Men & Women)
10. Tennis (Men)

The Faculty provides sport facilities including main playground, Volleyball court, Basketball court and

Gymnasium. In addition, there is a common room for the students with indoor game facilities such as Table Tennis. Many more developmental works for making the working atmosphere a pleasant one for the students are underway.

There are annual sports events such as Inter-Faculty and Inter-University tournaments. In addition to these, a two weeks long University Sports Festival called Sri Lanka University Games (SLUG) is held at a selected University once in every 3 years. In 1998 University of Ruhuna hosted 6th SLUG and in this year from 26th August to 7th September University of Ruhuna will be hosted for 13th SLUG. Students are also encouraged to participate in the World University Sports Festival which is held once in every two years. The Department also organizes many sports events in collaboration with sports bodies in the country.

All the necessary assistance is given to students for their training for representing the Faculty and University at sports. At the end of each year a Colors Award Ceremony (Colours night) is held to recognize the achievements of students at sports.

Facilities Given by the Department of Physical Education:

- Subsistence of Rs.500/= for each person per day for participation of Inter University Championships.
- T-shirts for University team members on 20% discount, if somebody will represent more than one sport, it will be free of charge.
- Provide some facilities & equipments to University team members.

Eg: Track & field – Running shoes, Jumping shoes

Football/Hockey/Rugger/Cricket/Wrestling- Boots

Badminton/ Table Tennis - Rackets

- Refreshment (Rs.50/=) for each University pool player per day after completion of the practice sessions.
- Provide transport facilities to Wellamadama complex from other

faculties
(Agriculture/Medicine/Engineering etc.).

- Hostel facilities for University team members

16.3 Social events of the students

The Faculty of Agriculture has several traditional social events in its annual agenda. These are memorable occasions of the students' life in the Faculty and have been safeguarded even during the periods of civil unrest.

Freshers' Welcome

On the first day of registration, the new students with the accompanying parents are given a welcome at the Faculty by the staff. The second year students who are immediate seniors, accept the new students to the Faculty by organizing a "Freshers' Welcome" / "Agro Planting Nite". All the students and the staff of the Faculty take part in this event.

Final Year Going Down Party

This event celebrated as the "Agro Harvesting Night" is organized by the batch of students who are immediately junior to the batch that has passed out from the Faculty. It gives an opportunity for the present and the past students to meet with the staff and share their experiences. A prominent person in the field of agriculture or higher education is usually invited as the chief guest.

Other Social events

The Student Union and other societies of the Faculty organize number of exciting social and leisure events annually such as Dana ceremony, celebration of Sinhala/Hindu New Year and other festivals, art festival, mini sports events etc. which sharpen the wide range of abilities of undergraduates.

17. Student Counseling and Welfare Services

17.1 Student Affairs Branch

There is a Student Affairs Branch at the university to look after the needs of the students outside their courses. It is located in the second floor of the administration building at Wellamadama Campus. Many services such as registration of new students, Mahapola Scholarships, Bursaries, other scholarships, student hostels and cafeterias are operated by the student affairs branch.

17.2 Financial Assistance

Financial assistance to the students entering this University may be categorized as follows:

1. Mahapola scheme
2. Bursary scheme
3. Endowed scholarships and other scholarships

Mahapola Higher Education Scholarship Scheme

Mahapola Scholarships are awarded to students on their performance at the GCE (A/L) Examination, on the result of which admissions to the University are based and also on the district basis. Selections are made by the University Grants Commission which categorizes the awards. Mahapola Trust Fund is responsible for award of these scholarships.

The two categories of Mahapola Scholarships are as follows,

1. Merit scholarships
2. Ordinary scholarships

Annual value of merit scholarship is Rs.55,500 and that of ordinary scholarship is Rs.55,000. Both awards are paid in 11 installments per year. Being a four years course, an undergraduate following the BSc degrees, will normally receive a Total of 44 installments during the four years. The scholarship can be suspended or cancelled when a student's

work, conduct or attendance is unsatisfactory. An absolute majority of students in the Sri Lankan Universities are supported by this scheme which is a unique feature of higher education in Sri Lanka.

Bursaries

Bursaries are awarded to eligible students who do not receive Mahapola Scholarships. The applications for bursaries are received by the Students' Welfare Branch of the University. The selections for the bursaries are made on the basis of parental income, the number of siblings fewer than 18 years and the distance from home to the University.

The two categories of bursaries available are

1. Merit bursary
2. Ordinary bursary

The annual value of merit bursary is Rs. 44000 per installment and that of ordinary bursary is Rs. 42900. The bursaries are also paid in 11 installments. The bursary may be suspended or cancelled when the student's work, conduct or attendance is not satisfactory.

Endowed Scholarships

Endowed scholarships are awarded by the University Grants Commission. Applications are called from students who do not receive Mahapola and Bursaries. The details about Government financial assistance can be obtained from Students Welfare Branch of the University. The details of other personal scholarships can also be obtained from this Branch.

Wiru-Sisu Scholarship Foundation

This is an organization established for supporting the undergraduates studying at the Faculty of Agriculture, University of Ruhuna with financial difficulties. Applications are invited annually and 5-6 students are selected. The maximum of 40

installments are issued for a selected student. Eligible students are selected through the careful screening process.

17.3 Medical Center

Free OPD treatment to the students is provided by the Medical Centre of the Faculty. They should provide their record books or ID cards when calling at the Center. No facility of the center will be provided without the record book or ID card. Treatment is free of charge to students during their normal academic sessions and during their examinations. Doctor available for 9.00am to 2.00 pm. A qualified nurse is working in the center for 8.30am to 4.30 pm.

More serious cases are referred to the Kamburupitiya Base Hospital at Andapana or to the General Hospital in Matara. The students can also consult the University Medical Officers at the main University premises, which is located in a building close to the Department of Physics.

17.4 Student Counselling Service

The University Counselling Service offers free, confidential support to students' registered at the Faculty. The aim of student counseling is to provide assistance and guidance to students to solve problems in order to continue with the academic activities in a pleasant environment by improving the confidence and talents. The students of the Faculty of Agriculture have the opportunity to consult student counselors regarding problems associated with academic activities, difficulties in the new environment and personal problems

All complaints and consultations are kept strictly confidential. Following Lecturers have been appointed as the committee of student counselors for the Academic year 2018/2019.

Deputy Senior Student Counselor

Dr (Mrs) DLC Kumari Fonseka (Senior Lecturer /Dept. of Crop Science)

Student Counselors of the Faculty

Prof. N Dahanayake (Associate Professor/Agric Biology)

Dr (Ms) S Geekiyanage (Senior Lecturer/Agric Biology)

Ms. Anuga Liyanage (Senior Lecturer/Agric Biology)

Dr. (Ms)GC Samaraweera (Senior Lecturer/Agric Economics)

Dr (Mrs) MAPDP Wicramaratne (Senior Lecturer/Agric Economics)

Ms. IWAS Sujani (Lecturer/Animal Science)

Dr Wathugala GD Lakmini (Senior Lecturer/Crop Science)

Dr. (Ms) Menaka Fernando (Senior Lecturer/Crop Science)

Dr. (Ms) NDN Priyadharshani (Senior Lecturer/Crop Science)

Ms. DTP Liyanage (Lecturer/Soil Science)

17.5 Academic Counselling Service

The Faculty at the moment is maintaining an effective academic counseling service for the benefit of students. The academic counseling provides necessary guidance for students to select courses from the very beginning of the academic programme.

Accordingly, eight academic counselors have been appointed with one staff member from each Department/Unit.

Dr (Ms) A Mannakkara (Agric Biology)

Dr (Ms) Nilantha De Silva (Agric Economics)

Ms CP Rupasinghe (Agric Engineering)

Dr (Ms) Dulcy Senarathne (Animal Science)

Dr KKL Adikaram (Computer Unit)

Dr IR Palihakkara (Crop Science)

Dr N Liyanage (Food Science & Technology)

Dr (Ms) SR Amarasinghe (Soil Science)

17.6 Mentoring Service

Undergraduate mentoring service has been started recently at the Faculty to as a part of a supportive service to students and to identify student's problems at an early stage in the University career. In this service each student is

assigned to an academic staff member of the faculty for providing guidance and advises for the successful University career. Students are advice to meet their mentors at least twice a semester.

17.7 Hostel Facilities and Policy

The faculty maintains six hostel units with accommodation facility for 33 each, eight hostel blocks to accommodate 30 for each and the newly constructed female hostel to accommodate 400 students within the faculty premises. At present, the faculty provides hostel facilities for all boys and girls who are eligible for hostel facilities.

In addition, post-graduate students are also allowed to stay in the hostels at their request. The students who wish to seek such accommodation may contact Deputy Registrar- Agriculture or Sub Wardens. A housing complex with 15 houses and two bachelor quarters with a total of 11 rooms are also available in the faculty premises to provide accommodation to deserving academic and non-academic staff of the faculty. In order to provide accommodation to the faculty visitors, faculty runs one Guest House with 4 rooms within the faculty premises.

Sub Warden for Boys Hostels

Mr Jayantha Vitharana –BSc Agric (Ruhuna)

Sub Warden for Girls Hostels

Mrs Champika Dolamulla - BA (Econ Special), MA (Economics)

Academic Wardens

Dr KKL B Adikaram and Dr (Mrs) Nalika Ranatunge, senior lecturers attached to Computer Unit and Department of Agric Biology, respectively have been appointed as academic wardens for the academic year 2018/2019

17.8 Canteen Facilities

There are two main canteens in the faculty run by outside vendors who are selected by a Tender Board after calling Public Tenders. One canteen

(for staff) is located in the building, beside the Faculty gymnasium. The other canteen (for students) is located beside the new auditorium.

In these canteens, meals are available at concessionary rates. Daily, about 800 students and staff members are benefited by this service.

17.8 Farm Sales Outlet

There is a farm products sales outlet in the Faculty. High quality, chemical free farm products such as vegetables, fruits, nursery plants, organic fertilizer, eggs, yoghurt, curd, fresh milk, ice cream are available at the outlet which is located at the main gate.

18. Career Guidance Unit

18.1 Introduction

The Career Guidance Unit of the University of Ruhuna was set up in March 2000, to provide career guidance services to the undergraduates. Since then, the unit has implemented various programs to make the undergraduates aware of the employment opportunities available, the qualities expected by the employers, and the way of acquiring the skills and the knowledge necessary for responding to the job market needs.

The unit wishes to build up continuous links with the private sector as well the government institutions to facilitate productive interaction between the undergraduates and such institutions.

The unit comprises of a Director, Faculty career Advisors and Career Guidance Counselors

18.2 Faculty Career Guidance Unit

Career development has been considered as one of the most important areas of the undergraduate education in this Faculty. Considering this, Faculty has introduced a course in career development into the curriculum of the final year first semester as an optional course. At present, career guidance activities of the Faculty are organized in collaboration with the Industrial Placement Office of the Faculty under the supervision of Faculty advisor to the Career Guidance Unit of University of Ruhuna. Currently, all career guidance activities are planned, modified and scheduled according to the various types of requests made by students and suggestions made by stake holders. These activities are conducted with a view to creating personality rich, superior quality graduates at the end of their four years of training in the three degree programmes.

Faculty Adviser to the Career Guidance Unit

Ms. Nadeeshani De Silva, Senior Lecturer attached to the Department of Agricultural Economics is the Faculty Adviser to the Career Guidance unit at present.

19. Student Unions and Societies

19.1 Student Union

According to the amended University act of 1988, section 26, students of each Faculty can form a Faculty Union comprised of all students of the Faculty. The legally accepted student union of the Faculty is the Faculty of Agriculture Student Union which is appointed for every academic year. The main objective of this union is to promote academic actions, to safeguard the rights of the student population, to work for the achievement and welfare of the students and the faculty.

The faculty student union consists of the following office bearers.

- President
- Vice President
- Secretary
- Editor
- Junior Treasurer
- Members (the number decided on the basis of the number of registered students in the Faculty).

University student union consists of its office bearers and the members of each Faculty student union.

19.2 Student Societies

In addition to the Faculty Student Union, there are other registered societies. The students can form societies for the purpose of academic and social objectives with the approval of University authorities. The patron of the each society is a permanent academic staff member of the Faculty of Agriculture. The names of the student societies function at the Faculty and their objectives are as follows.

Agricultural Journalism Society:

- Enhance the scientific and general writing skills of the undergraduates
- Enhance the agricultural extension services by means of electronic and printed medias

Ruhuna University Soil Science Club:

- Popularize the advancement of soil science and its related topics among undergraduates and academics of the Faculty of Agriculture, University of Ruhuna.
- Organize activities for its members and to share the research experiences and innovations among the members.
- Identify the nationally important soil-related issues and encourage the membership to look for resolutions for soil associated problems especially for the betterment of the Agriculture sector in Sri Lanka.

Sports Society:

- Provide a healthy sporting habit among the students.
- Helps to learn teamwork at work, coordination among diverse cultural & ethnic groups
- Teach the value of time, precision & competitiveness as the major learning points apart from communication, coordination & teamwork.

Media Unit:

- Enhance skills and knowledge on ICT, photography and announcing of the undergraduates.
- Cover all special occasions of the Faculty
- Connect Faculty with media institutions

Ruhuna Agribusiness Association:

- Provide a forum to discuss the issues of agro-entrepreneurs and agribusiness
- Give knowledge and experiences about the existing business environment and create new business ventures

- Support the new business start-ups of the undergraduates

Agricultural Biology Scholars:

- Open up the opportunities to improve the knowledge and skills of postgraduates and undergraduate students and cover their privileges
- Share the research experiences and innovations within the forum members
- Confer research awareness among students of the Faculty.

Animal Welfare Society

- Promote the concerns of welfare friendly animal caring and management amongst Sri Lankans
- Provide a forum for the people those who are interested in humane handling of animals to ensure their welfare by conducting regular meetings
- Collect and make available for public use materials on Animal Welfare

Crop Science Society

- Improve the knowledge of the members in the field of Crop Science
- Maintain a close relationship with the personals and institutions which are relevant to the discipline of Crop Science
- Maintain the close relationship, with national and international Societies/ associations.

Art Society

- Develop a deep and lasting enjoyment of art
- Encourage and develop artistic talents and abilities of undergraduates
- Organize exhibitions, competitions, workshops etc. to promote the better understanding of the fine arts

Birds Club

- Encourage an interest in wild birds of Sri Lanka and their conservation

Buddhist Society

- Promote peace and foster religious, ethnic and racial harmony in the faculty community
- Take responsibilities in all Buddhist rituals, practices and traditions organize in the faculty.

Appendix A

AN ACT TO ELIMINATE RAGGING AND OTHER FORMS OF VIOLENCE, AND CRUEL, INHUMAN AND DEGRADING TREATMENT, FROM EDUCATIONAL INSTITUTIONS

Be it enacted by the Parliament of the Democratic, Socialist Republic of Sri Lanka as follows:

Short title

1. This Act may be cited as the Prohibition of Ragging and Other Forms of Violence in Educational Institutions Act, No. 20 of 1998.

Ragging

2. (1) Any person who commits, or participates in; ragging, within or outside an educational institution, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable, to rigorous imprisonment for a term not exceeding two years and may also be ordered to pay compensation of an amount determined by court, to the person in respect of whom the offence was committed for the injuries caused to such person.

2) A person who, whilst committing ragging causes sexual harassment or grievous hurt to any student or a member of the staff, of an educational institution shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding ten years and may -also be ordered to pay compensation of an amount determined by court, to the person in respect of whom the offence was committed for the injuries caused to such person.

Criminal intimidation

3. Any person who, within or outside an educational institution, threatens, verbally or in writing, to cause injury to the person, reputation or property of any student or a member of the staff, of all educational institution (in this section referred to as “the victim”) or to the person, reputation or property of some other person in whom the victim is interested, with the intention of causing fear in the victim or of compelling the victim to do any act which the victim is not legally required to do, or to omit to do any act which the victim is entitled to do, shall be guilty of an

offence under this Act and shall on conviction after summary trial before a Magistrate be liable to rigorous imprisonment for a term not exceeding five years.

Hostage taking

4. Any person who does any act by which the personal liberty and the freedom of movement of any student or a member of the staff of an educational institution or other person within such educational institution or any premises under the management and control of such educational institution, is restrained without lawful justification and for the purpose of forcing such student, member of the staff or person to take a particular course of action, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate, be liable to rigorous imprisonment for a term not exceeding seven years.

Wrongful restraint

5. Any person who unlawfully obstructs any student or a member of the staff of an educational institution, in such a manner as to prevent such student or member of the staff from proceeding in any direction in which such student or member of the staff, has a right to proceed, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to rigorous imprisonment for a term not exceeding seven years.

Unlawful confinement

6. Any person who unlawfully restrains any student or a member of the staff of an educational institution in such a manner as to prevent such student or member of the staff from proceeding beyond certain circumscribing limits, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding seven years.

Forcible occupation and damage to property of an educational institution

7. (1) Any person who, without lawful excuse, occupies, by force, any premises of, or under the management or control of, an educational institution shall be guilty of an offence under this Act, and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding ten years or to a fine not exceeding ten thousand rupees or to both such imprisonment and fine.

(2) Any person who causes mischief in respect of any property of, or under the management or control of, an educational institution shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding twenty years and a fine of five thousand rupees or three times the amount of the loss or damage caused to such property, whichever amount is higher.

Orders of expulsion or dismissal

8. Where a person is convicted of an offence under this Act, the court may, having regard to the gravity of the offence"

- (a) in any case where the person convicted is a student of an educational institution, order that such person be expelled from such institution ;
- (b) in any case where the person convicted is a member of the staff of an educational institution, order that such person be dismissed from such educational institution.

Bail

9. (1) A person suspected or accused of committing an offence under subsection (2) of section 2 or section 4 of this Act shall not be released on bail except by the judge of a High Court established by Article 154P of the Constitution. In exercising his discretion to grant bail such Judge shall have regard to the provisions of section 14 of the Bail Act, No. 30 of 1997.

(2) Where a person is convicted of an offence under subsection (2) of section 2 or section 4 of this Act, and an appeal is preferred against such conviction, the Court convicting such person may,

taking into consideration the gravity of the offence and the antecedents of the person convicted, either release or refuse to release, such person on bail.

Certain Provisions of the Code of Criminal Procedure Act not to apply to persons convicted or found guilty of an offence under this Act.

10. Notwithstanding anything in the Code of Criminal Procedure Act, No. 15 of 1979"

- (a) the provisions of section 303 of that Act shall not apply in the case of any person who is convicted,
- (b) the provisions of section 306 of that Act shall not apply in the case of any person who pleads or is found guilty,

by or before any court of any offence under subsection (2) of section 2 or section 4 of this Act.

Offences under this Act deemed to be cognizable offences.

11. All offences under this Act shall be deemed to be cognizable Offences for the purposes of the application of the provisions of the Code of Criminal Procedure Act, No. 15 of 1979, notwithstanding anything contained in the First Schedule to that Act.

Certificate

12. Where in any prosecution for an offence under this Act, a question arises whether any person is a student or a member of the staff of an educational institution or whether any premises or property is the property of, or is under the management and control of, an educational institution a certificate purporting to be under the hand of the head or other officer of such educational institution to the effect that the person named therein is a student or a member of the staff of such educational institution, or that the premises or property specified therein is the property of, or is under the management and control of, such educational

institution, shall be admissible in evidence without proof of signature and shall be prima facie evidence of the facts stated therein.

Admissibility of statement in evidence

13. (1) If in the course, of a trial for an offence under this Act, any witness shall on any material point contradict either expressly or by necessary implication a statement previously given by him in the course of any investigation into such offence, it shall be lawful for the Magistrate if, after due inquiry into the circumstances in which the statement was made, he considers it safe and just "

(a) to act upon the statement given by the witness in the course of the investigation, if such statement is corroborated in material particulars by evidence from an independent source; and

(b) to have such witness at the conclusion of such trial, tried before such court upon a charge for intentionally giving false evidence in a stage of a judicial proceeding,

(2) At any trial under paragraph (b) of subsection (1) it shall be sufficient to prove that the accused made the contradictory statements alleged in the charge and it shall not be necessary to prove which of such statements is false.

Provisions of this Act to be in addition to and not in derogation of the provisions of the Penal Code & c

14. The provisions of this Act shall be in addition to and not in derogation of, the provisions of the Penal Code, the Convention Against Torture and

Oilier Cruel, Inhuman or Degrading Treatment or Punishment Act, No. 22 of 1994 or any other law.

Priority for trials and appeals under this Act.

15. Every Court shall give priority to the trial of any person charged with any offence under this Act and to the bearing of any appeal from the conviction of any person for appeals under any such offence and any sentence imposed on such conviction.

Appendix B

Examination Rules, Offences and Punishments

According to the University of Sri Lanka, Manual of Procedures for conduct of university examinations published by University Grants Commission in 1st September, 1983, examination rules offenses and punishments are as follows;

Examination Rules

1. Attendance

Candidates shall be in attendance outside the Examination hall at least 15 minutes before the commencement of each paper, but shall not enter the halls until they are requested to do so by the Supervisor.

2. Seating

On admission to the Hall a candidate shall occupy the seat allotted to him and shall not change it except on the specific instructions of the Supervisor.

3. Admission to Hall

No candidate shall be admitted to the Examination Hall for any reason whatever after the expiry of half-an-hour from the commencement of the Examination. Nor shall a candidate be allowed to leave the hall until half an hour has lapsed from the commencement of the Examination or during the last 15 minutes of the paper.

4. Record Book as Identity

A candidate shall have his student Record Book and the admission card with him in the Examination hall on every occasion he presents himself for a paper. His candidature is liable to be cancelled if he does not produce the Record Book. If he fails to bring his Record Book on any occasion, he shall, sign a declaration in respect of the paper for which he had not produced the Record Book in the form provided for it, and produce the Record Book on the next occasion

when he appears for the Examination. If it is the last paper or the only paper he is sitting, he shall produce the Record Book to the Registrar on the following day. If a candidate loses his Record Book in the course of the Examination, he shall obtain a duplicate Record Book /Identity Card from the Registrar, for production at the Examination Hall.

5. Documents etc. which candidate should not bring

No candidate shall in his person or in his clothes, or on the admission card, time table or Record Book, any notes sings or formulas etc. Books, notes, parcels, handbags etc. which a candidate has brought with him should be kept at a place indicated by the Supervisor/Invigilator.

6. Declaration of articles in possession

A candidate may be required by the Supervisor to declare any item in his possession or person.

7. Copying

No candidate shall copy or attempt to copy from any book or paper or notes or similar material or from the scripts of another candidate. Nor shall any candidate either help another candidate or obtain help from another candidate or any other person. Nor shall any candidate conduct himself so negligently that an opportunity is given to any other candidate to read anything written by him or to watch any practical Examination performed by him. Nor shall any candidate use any other unfair means or obtain or render improper assistance at the Examination.

8. Cheating

No candidate shall submit a practical or field book or dissertation or project study or answer script which has been done wholly or partly by anyone other than the candidate himself.

9. Articles candidate may bring

Candidates shall bring their own pens, ink, mathematical instruments, erasers, pencils, or any

other equipment or stationary which they have been instructed to bring.

10. Examination stationary

Examination stationary (i.e. writing paper, graph paper, drawing paper, ledger paper, precis paper etc.) will be supplies as and when necessary. No sheet or paper or answer book supplied to a candidate may be torn, crumpled, folder or otherwise mutilated. No papers other than those supplied to him by the Supervisor/Invigilator shall be used by candidates. Log tables or any other material provided shall be used or unused, shall be left behind on the desk and not removed from the Examination Halls.

11. Index number

Every candidate shall enter his index Number on the answer book and on every continuation paper. He shall also enter all necessary particulars as indicated in the cover of the answer book. A candidate who insets on his script and Index Number other than his own is liable to be considered as having attempted to cheat. A script that bears no Index Number or an Index Number which cannot be identified, is liable to be rejected. No candidate shall write his name or any other identifying mark on the answer scripts.

12. Rough works to be cancelled

All calculations and rough work shall be done only on paper supplied for the Examination, and shall be cancelled and attached to the answer script. Such work should not be done on admission cards, time-tables, question papers, Record Book or on any other paper. Any candidate who disregards these instructions runs the of being considered as having written notes or outline of answer with the intention of copying.

13. Unwanted parts of answers to be crossed out

Any answer or part of an answer which is not to be considered for the purpose of assessment, shall be neatly crossed out. If the same question has been attempted in more than one place the answer or

answers that are not to be counted shall be neatly crossed out.

14. Under supervisor's authority

Candidates are under the authority of the Supervisor and shall assist him by carrying out his instructions and those of his Invigilators, during the Examination and immediately before and after it.

15. Conduct

Every candidate shall conduct himself in the Examination Hall and its precincts so as not to cause disturbance or inconvenience to the Supervisor or his staff or to other candidates. In entering and leaving the hall, he shall conduct himself as quietly as possible. A candidate is liable to be excluded from the Examination hall for disorderly conduct.

16. Stopping work

Candidates shall stop work promptly when ordered by the Supervisor/Invigilator to do so.

17. Maintenance of silence

Absolute silence shall be maintained in the Examination Hall and its precincts. A candidate is not permitted for any reason whatsoever to communicate or to have any dealings with any person other than the Supervisor/Invigilator. The attention of the Supervisor/Invigilator shall be drawn by the candidate by raising his hand from where he is seated.

18. Leaving the hall

During the cause of answering a paper no candidate shall be permitted to leave the Examination Hall temporarily. In case of emergency, the Supervisor/Invigilator shall grant him permission to do so but the Candidate will be under his surveillance.

19. Impersonation

No person shall impersonate a candidate at the Examination, nor shall any candidate allow himself to be so impersonated by another person.

20. Dishonesty

Serious notice will be taken of any dishonest assistance given to a candidate, by any person.

21. Cancellation or postponement

If circumstances arise which in the opinion of the Supervisor render the cancellation or postponement of the Examination necessary, he shall stop the Examination, collect the scripts already written and then report the matter as soon as possible to the Vice Chancellor/Registrar.

22. Making statements

The Supervisor/Invigilator is empowered to require any candidate to make a statement in writing on any matter which may have arisen during the cause of the Examination and such statement shall be signed by the candidate. No candidate shall refuse to make such a statement or to sign it.

23. Whom to conduct in examination matters

No candidate shall contact any person other than the Vice Chancellor, Dean, Head of the Department or the Registrar, regarding any matter concerning the Examination.

24. Handing over of answer scripts

Every candidate shall hand over the answer scripts personally to the Supervisor/Invigilator or remain in his seat until it is collected. On no account shall a candidate hand over his answer scripts to the attendant, a minor employee or another candidate.

25. Withdrawal

Every candidate who registers for an Examination shall be deemed to have sat the Examination unless he withdraws from the Examination within the specified period or submits a medical certificate prior to the commencement of the Examination. The medical certificate shall be from the University Medical Officer. If this is not possible the medical certificate should be obtained from a Government Medical Practitioner, and submitted to the University Medical Officer within two weeks period.

26. Absence from exams

When a candidate is unable to present himself for any part/section of an Examination, he shall notify or cause to be notified this fact to the Registrar immediately. This should be confirmed in writing with supporting documents within 48 hours by Registered post.

27. Eligibility for Classes

A student who withdraws or absent himself from the Examination shall not be eligible for classes at the next Examination unless the Senate decides otherwise.

28. Eligibility to continue to sit

No student shall sit for an Examination, if he has exhausted the number of attempts that he is allowed to sit that particular Examination, unless he has been granted special permission to do so by the Senate.

Examination Offences and Punishments***Possession of unauthorized documents***

Any candidate who violates Examination rule 5 shall be deemed guilty of the offence of possession of unauthorized documents and shall be liable to cancellation of his candidature from the Examination and to any further punishment that the Senate may decide upon.

Copying

Any candidate who violates rule 7 shall be deemed guilty of the offence of copying and shall therefore be liable to cancellation of his candidature from the Examination and to be prohibited from sitting any Examination of the University for a period of time and to any other punishment that the Senate may decide.

Cheating

Any candidate who violates Rule 8 shall be deemed guilty of the offence of having cheated at the Examination and shall be liable to the cancellation of his candidature from the Examination and to be prohibited from sitting any

Examination of the University for a period of not less than three years and to any further punishment that the Senate may decide.

Removal of Stationary

Any candidate who is detected of removing Examination stationary and other materials provided for the Examination (Rule 10) shall be deemed guilty of an Examination offence and shall be liable for punishment including cancellation and/or prohibition from sitting any Examination of the University for such period as may be specified by Senate.

Disorderly conduct

Any candidate who violates any one or more of the rules in 6, 14, 15, 16, 17 or 18 shall be deemed guilty of the offence of disorderly conduct and shall be liable for punishment including cancellation/ or prohibition from any Examination of the University for such period as may be specified by the Senate

Impersonation

Any candidate who violates Rule 19 shall be guilty of the offence of impersonation and shall be liable to cancellation of candidature from the Examination and to be prohibited from sitting any Examination of the University for a period of not less than 5 years and to any further punishment that the Senate may decide. He may also be liable to any punishment under the penal Code/ Criminal Law.

Improper Knowledge

Any candidate who violates Rule 20 shall be guilty of an Examination offence and shall be liable to cancellation of candidature from the Examination and to any further punishment that the Senate may decide upon.

Aiding and Abetting

Any candidate found aiding and abetting in the commission of any of the above Examination offences shall be deemed to have committed that

offence and shall be liable to the same punishments.

2018/2019 Student Handbook

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